

H. CHAPIN'S SON



1890

This 1890 H. Chapin catalogue is reprinted from an original in the collection of Mr. Robert Nichols, a Mid-West Tool Collectors Association member of Atlanta, Georgia.

The business card reproduced on the facing page is also from Mr. Nichols' collection.

Included with the catalogue and the business card when they were acquired was the comparison chart which now makes up the last four pages of this catalogue.

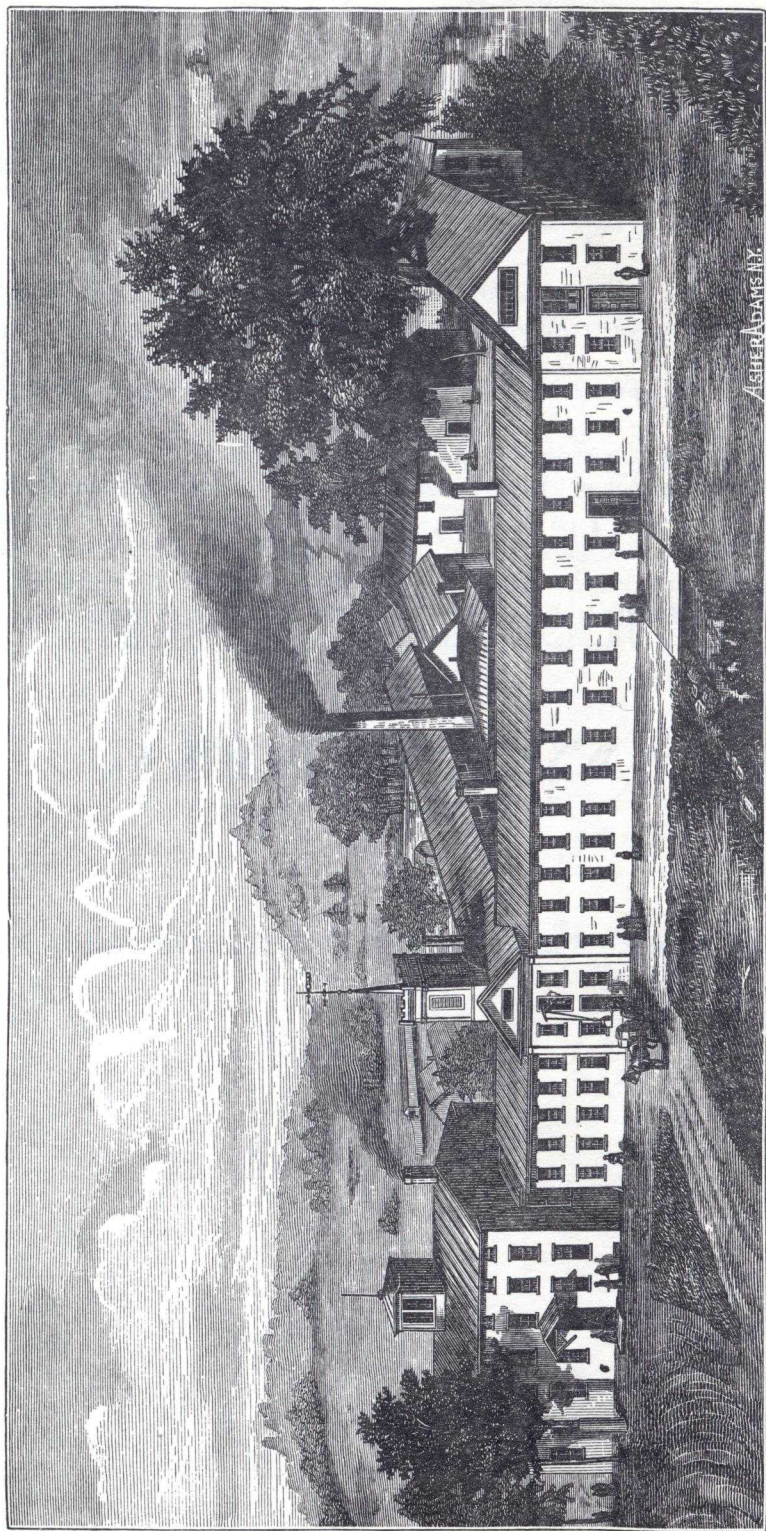
Although this chart was originally in the form of a separate broadside, we have elected to bind it into the catalogue for the convenience of the collector.

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Reprinted by
The Special Publications Committee
Mid-West Tool Collectors Association
August 1986

HERMON CHAPIN,
MANUFACTURER OF
RULES, PLANES, GAUGES,
LEVELS, &c., &c.,

— 83 —
UNION FACTORY,
Pine Meadow, Conn.



ASHER ADAMS DEL.

PRICE LIST
AND
Illustrated Catalogue
OF
RULES, PLANES, GAUGES,

MOULDING PLANES, GROOVING PLOWS,
PLUMBS AND LEVELS, DOOR STOPS, HAND SCREWS,
HANDLES, TURNING SAW FRAMES AND SAWS, C. SCHOLL'S
PATENT GAUGE, MARDEN'S PATENT GAUGE,
PLANE IRONS, SPOKE SHAVES, Etc., Etc.

MANUFACTURED BY
H. CHAPIN'S SON,
(E. M. CHAPIN.)

UNION FACTORY,

ESTABLISHED 1826,

PINE MEADOW, CONN., U. S. A.

January, 1890.

HARTFORD:
PRESS OF THE CASE, LOCKWOOD & BRAINARD CO.
1890.

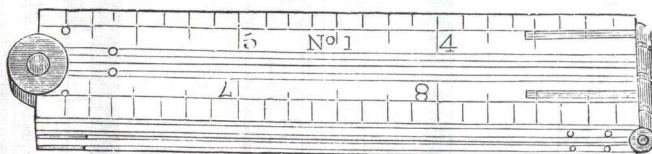
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H. CHAPIN'S SON'S

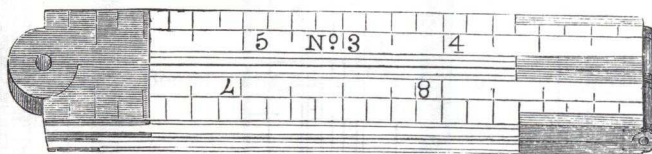
BOXWOOD RULES.

One Foot, Four Fold, Narrow.



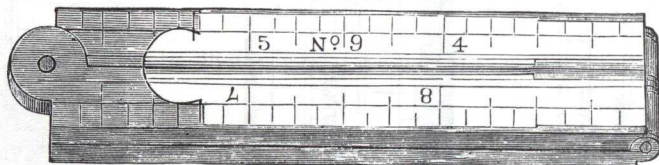
No. 1.

No.		Per Dozen.
1,	Round Joint, Middle Plates, 8ths and 16ths, $\frac{5}{8}$ inch wide, . . .	\$3.00
2,	Square " " " " " $\frac{5}{8}$ " . . .	3.50



No. 3.

3,	Square Joint, Edge Plates, 8ths and 16ths, $\frac{5}{8}$ inch wide, . . .	\$5.00
4,	" " Half Bound, " " $\frac{5}{8}$ " . . .	9.00
5,	" " Bound, " " $\frac{5}{8}$ " . . .	11.00
6,	Arch Joint, Middle Plates, " " $\frac{5}{8}$ " . . .	4.00
7,	" " Edge " " $\frac{5}{8}$ " . . .	6.00
8,	" " Half Bound, " " $\frac{5}{8}$ " . . .	10.00

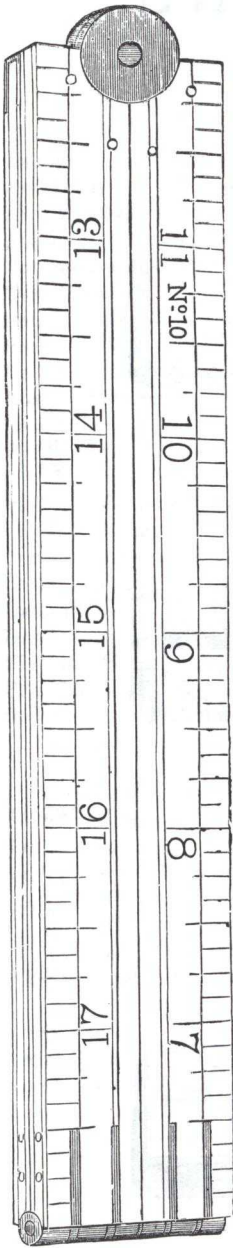
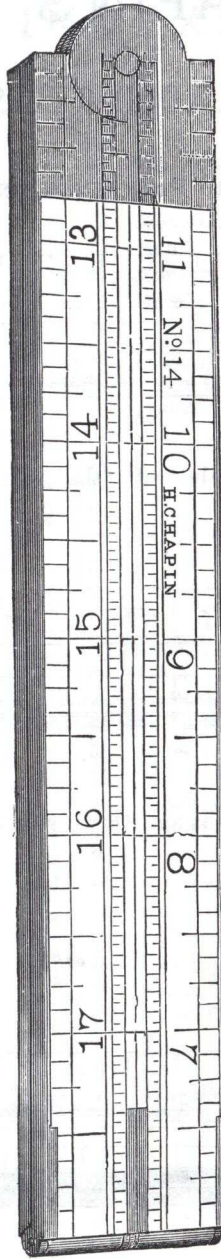
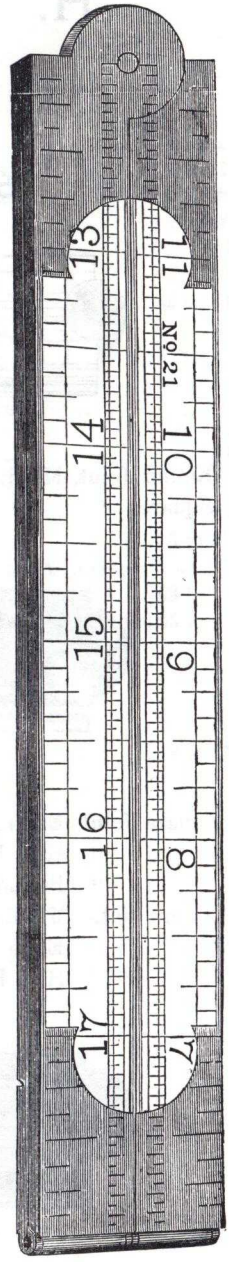


No. 9.

9,	Arch Joint, Bound, 8ths and 16ths, $\frac{5}{8}$ inch wide, . . .	\$12.00
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BOXWOOD RULES.

Two Feet, Four-Fold, Narrow.

No. 10. Round Joint,
Middle Plate.No. 14. Square Joint,
Half Bound.No. 21. Double Arch Joint,
Bound.

BOXWOOD RULES.

Two Feet, Four-Fold, Narrow.

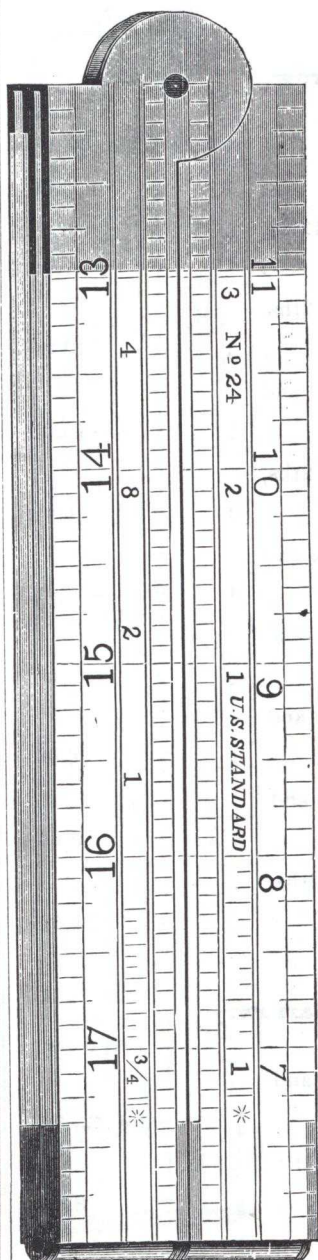
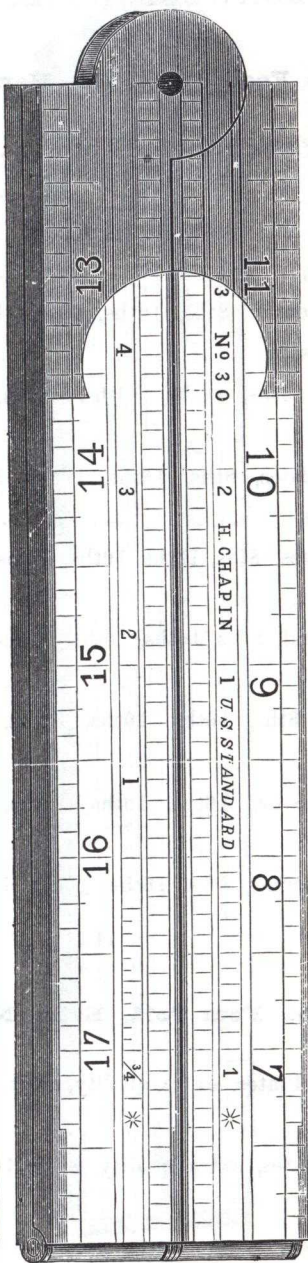
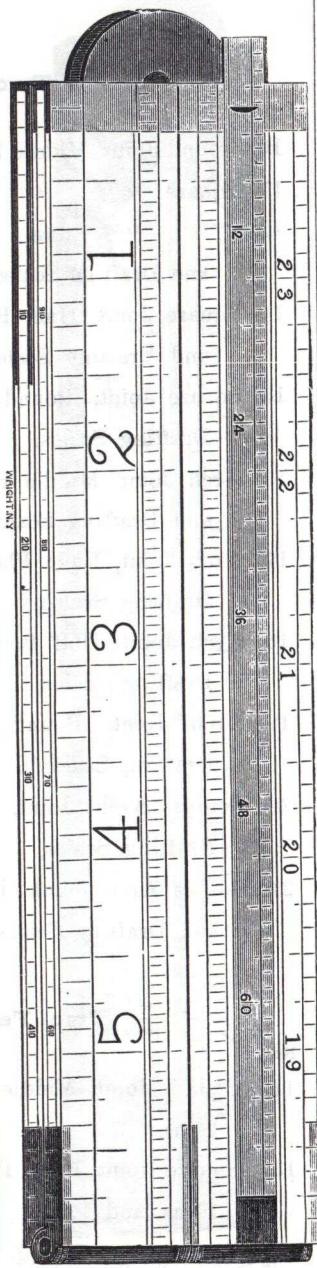
No.		Per Dozen.
10,	Round Joint, Middle Plates, 8ths and 16ths, . . . 1 inch wide,	\$4.00
11,	Square " " " " " " . . . 1 " "	5.00
12	" " Edge " 8ths, 16ths, 10ths, 12ths, and Drafting Scales, 1 " "	7.00
14,	Square Joint, Half Bound, 8ths, 16ths, 10ths, 12ths, and Drafting Scales, 1 " "	12.00
15,	Square Joint, Bound, 8ths, 16ths, 10ths, 12ths, and Drafting Scales, 1 " "	15.00
16,	Arch Joint, Middle Plates, 8ths, 16ths, 10ths, 12ths, and Drafting Scales, 1 " "	6.00
17,	Arch Joint, Edge Plates, 8ths, 16ths, 10ths, 12ths, and Drafting Scales, 1 " "	8.00
18,	Arch Joint, Half Bound, 8ths, 16ths, 10ths, 12ths, and Drafting Scales, 1 " "	13.00
19,	Arch Joint, Bound, 8ths, 16ths, 10ths, 12ths, and Drafting Scales, 1 " "	16.00
20,	Double Arch Joint, 8ths, 16ths, 10ths, 12ths, and Drafting Scales, 1 " "	9.00
21,	Double Arch Joint, Bound, 8ths, 16ths, 10ths, 12ths, and Drafting Scales, 1 " "	21.00

Two Feet, Four-Fold, Extra Narrow.

No.		Per Dozen.
11½,	Square Joint, Middle Plates, extra quality, 8ths and 16ths, ¾ inch wide,	\$5.50
13,	Square Joint, Edge Plates, extra quality, 8ths, 16ths, 10ths, and 12ths, ¾ " "	8.00
15½,	Square Joint, Bound, 8ths, 16ths, 10ths, and 12ths, . . . ¾ " "	15.00

BOXWOOD RULES.

Two Feet, Four-Fold, Broad.

No. 24. Square Joint,
Edge Plates.No. 30. Arch Joint,
Bound.No. 33. Arch Joint,
Edge Plates, with Slide.

BOXWOOD RULES.

Two Feet, Four-Fold, Broad.

No.		Per Dozen.
22,	Round Joint, Middle Plates, 8ths and 16ths, . . . $1\frac{3}{8}$ inch wide, \$5.00	
23,	Square " " " " " " . . . $1\frac{3}{8}$ " " 7.00	
24,	" " Edge Plates, 8ths, 16ths, 10ths, and Scales, $1\frac{3}{8}$ " " 9.00	
25,	" " Half Bound, 8ths, 16ths, 10ths, and Scales, $1\frac{3}{8}$ " " 14.00	
26,	" " Bound, " " " " " " $1\frac{3}{8}$ " " 18.00	
27,	Arch " Middle Plates, " " " " " " $1\frac{3}{8}$ " " 9.00	
28,	" " Edge " " " " " " " " $1\frac{3}{8}$ " " 11.00	
29,	" " Half Round, " " " " " " " " $1\frac{3}{8}$ " " 16.00	
30,	" " Bound, " " " " " " " " $1\frac{3}{8}$ " " 20.00	
31,	Double Arch Joint, " " " " " " " " $1\frac{3}{8}$ " " 12.00	
32,	" " " Bound, " " " " " " " " $1\frac{3}{8}$ " " 24.00	
32 $\frac{1}{2}$,	" " " Half Bound, " " " " " " " " $1\frac{3}{8}$ " " 20.00	
33,	Arch Joint, Edge Plate, with Slide, 8ths, 16ths, 10ths, and Scales, $1\frac{3}{8}$ " " 14.00	
33 $\frac{1}{2}$,	Arch Joint, Edge Plates, with Caliper, 8ths, 16ths, 10ths, and Scales, $1\frac{3}{8}$ " " 22.00	

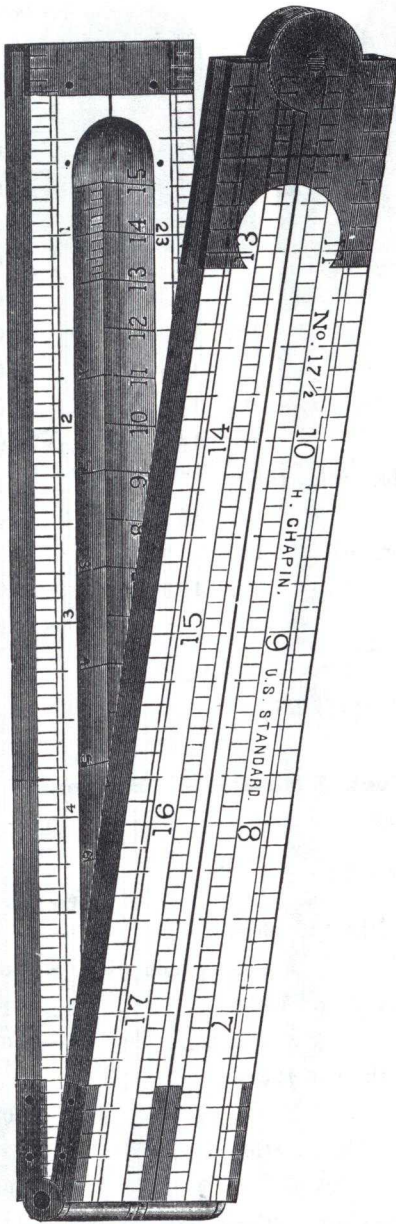
ARCHITECTS' RULES.

Inside Edges Beveled. Two Feet, Four-Fold. Boxwood
and Ivory.

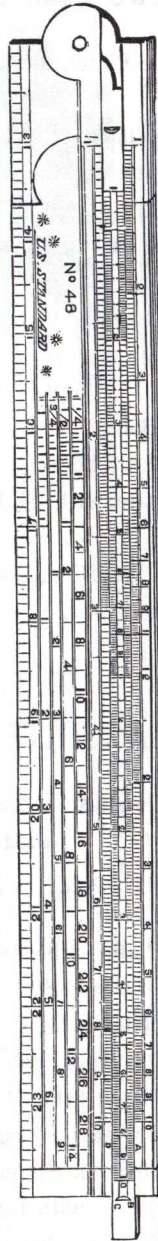
(See Cut, page 8.)

No.		Per Dozen.
13 $\frac{1}{2}$,	Arch Joint, Edge Plates, 8ths, 10ths, 12ths, and 16ths of inches, with Drafting Scales, $\frac{3}{4}$ inch wide, \$15.00	
17 $\frac{1}{2}$,	Arch Joint, Edge Plates, 8ths, 10ths, 12ths, and 16ths of inches, with Drafting Scales, 1 " 15.00	
28 $\frac{1}{2}$,	Arch Joint, Edge Plates, 8ths, 16ths, 10ths, and 12ths, with Drafting and Octagonal Scales, $1\frac{3}{8}$ " 18.00	
59 $\frac{1}{2}$,	Ivory Arch Joint, German Silver Edge Plates, 8ths, 10ths, 12ths, and 16ths, with Drafting Scales, . . . $\frac{3}{4}$ " 96.00	
60 $\frac{1}{2}$,	Ivory Arch Joint, German Silver Edge Plates, 8ths, 10ths, 12ths, and 16ths, with Drafting Scales, . . 1 " 96.00	

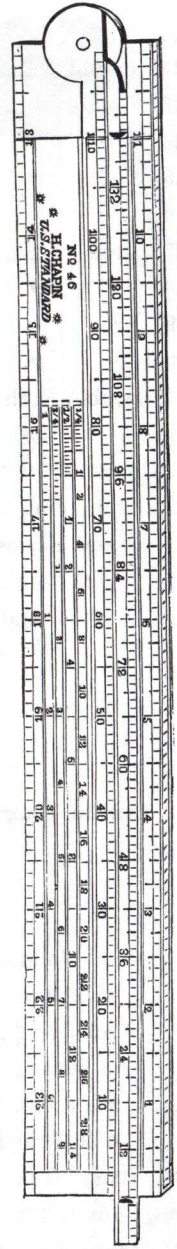
BOXWOOD RULES.



No. 17 1/2.
Architects'.



No. 48. Arch Joint,
Gunter Slide.



No. 46. Square Joint,
Plain Side.

BOXWOOD RULES.

Two Feet, Four-Fold, with Board Measure Table.

No.		Per Dozen.
34,	Square Joint, Edge Plates, 8ths, 16ths, 10ths, and Scales, $1\frac{3}{8}$ inch wide, \$11.00	
35,	" " Bound, 8ths, 16ths, 10ths, and Scales, $1\frac{3}{8}$ " 20.00	
36,	Arch " Edge Plates, 8ths, 16ths, 10ths, and Scales, $1\frac{3}{8}$ " 13.00	
37	" " Bound, 8ths, 16ths, 10ths, and Scales, $1\frac{3}{8}$ " 22.00	
34 $\frac{1}{2}$,	Square " Edge Plates, with Board Stick Table, 9 lines, 10 to 18 feet, 11.00	
34 $\frac{3}{4}$,	" " " " " " " " 6 " 12 to 22 " 20.00	
	T Head, 20.00	

Two Feet, Two-Fold, with Board Measure Table.

No.		Per Dozen.
40,	Square Joint, 8ths, 16ths, 10ths, and Scales, $1\frac{1}{2}$ inch wide, \$7.00	
43,	Arch " extra Scales, 8ths, 16ths, 10ths, and Scales, $1\frac{1}{2}$ " 10.00	

Two Feet, Two-Fold.

No.		Per Dozen.
38,	Round Joint, 8ths and 16ths, $1\frac{1}{2}$ inch wide, \$3.50	
39,	Square " " " " " $1\frac{1}{2}$ " 5.00	
41,	Arch " 8ths, 16ths, 10ths, and Scales, $1\frac{1}{2}$ " 7.00	
42,	" " extra Scales, 16ths, 10ths, and Scales, $1\frac{1}{2}$ " 8.00	
44,	" " " thin, extra Scales, 16ths, 10ths, and Scales, $1\frac{1}{2}$ " 10.00	
44 $\frac{1}{2}$,	Arch Joint, Plates on outside of wood, extra thin, Scales, etc., $1\frac{1}{2}$ " 10.00	
45,	Arch Joint, Bound, extra Scales, 16ths, 10ths, and Scales, $1\frac{1}{2}$ " 16.00	

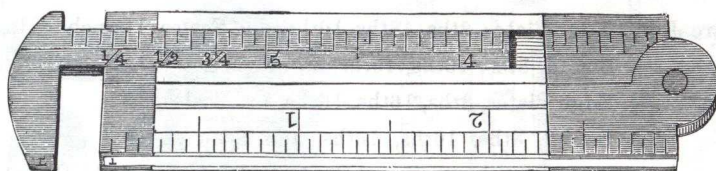
Two Feet, Two-Fold, Slide.

WITH FULL SCALES.

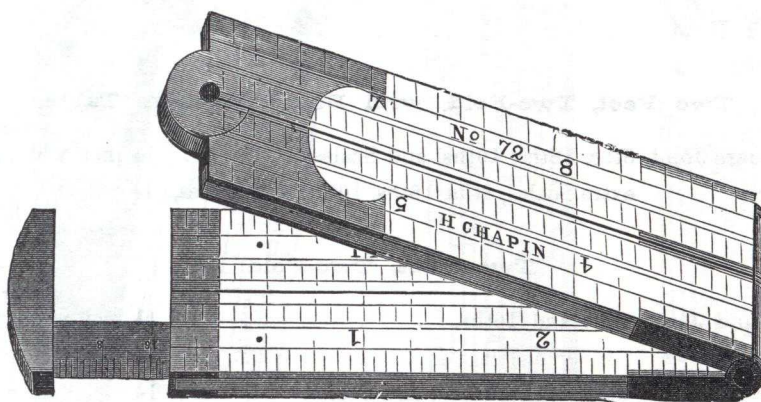
No.		Per Dozen.
46,	Square Joint, Plain Side, $1\frac{1}{2}$ inch wide, \$9.00	
47,	" " Gunter Slide, $1\frac{1}{2}$ " 12.00	
48,	Arch " " " " " $1\frac{1}{2}$ " 14.00	
49,	" " Bound, Gunter Slide, $1\frac{1}{2}$ " 24.00	
50,	" " Engineers' Scales, Gunter Slide, $1\frac{1}{2}$ " 18.00	
51,	" " Bound, Engineers' Scales, Gunter Slide, $1\frac{1}{2}$ " 28.00	
	Books of Instruction for Engineers, 2.50	

CALIPER RULES, BOXWOOD.

With 8ths and 16ths.



No. 70.



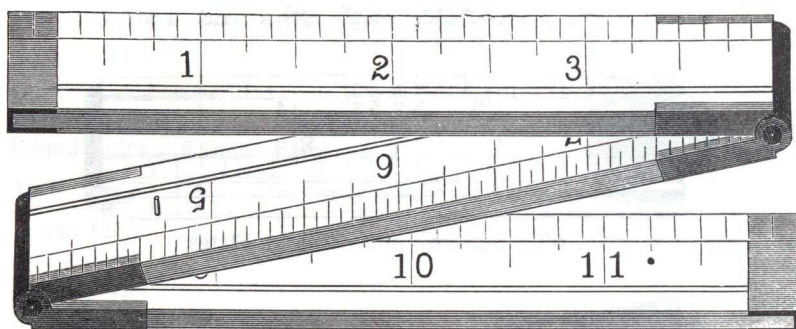
No. 72. Arch Joint Caliper.

No.							Per Dozen.
70,	Square Joint,	Two-Fold,	6 inch,	.	.	$\frac{7}{8}$ inch wide,	\$7.00
70 $\frac{1}{4}$,	"	"	6 "	.	.	1 $\frac{1}{2}$ "	12.00
70 $\frac{1}{2}$,	"	"	12 "	.	.	1 $\frac{3}{8}$ "	12.00
71,	"	"	6 " Brass Case,	.	.	$\frac{7}{8}$ "	12.00
71 $\frac{1}{2}$,	"	"	Bound, Two-Fold, 6 inch,	.	.	$\frac{7}{8}$ "	12.00
72,	Arch	"	Edge Plates, Four-Fold, 12 inch,	.	.	$\frac{7}{8}$ "	12.00
73,	"	"	Bound, " 12 "	.	.	$\frac{7}{8}$ "	20.00

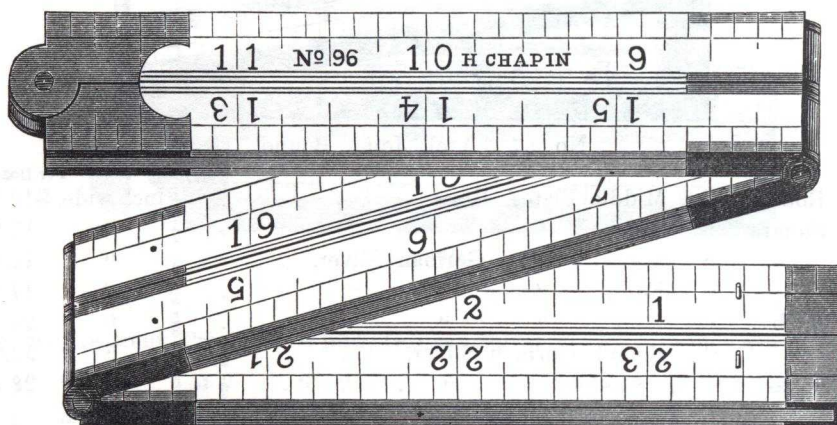
SHIP CARPENTERS' BEVELS.

No.							Per Dozen.
85,	Boxwood,	Double Tongue,	8ths and 16ths,	.	.	.	\$6.00
85 $\frac{1}{2}$,	"	Single	" " " "	.	.	.	6.00

BOXWOOD RULES.



No. 95. Three-Fold.



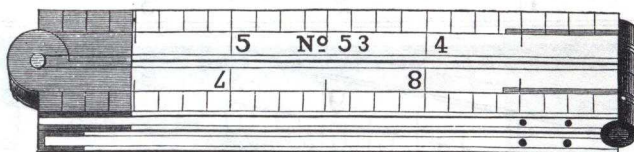
No. 96. Six-Fold.

Three, Four, and Six-Fold Rules.

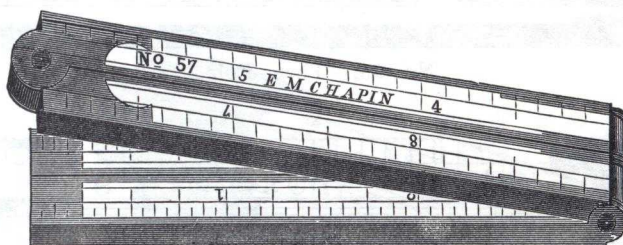
No.		Per Dozen.
84,	Arch Joint, Middle Plates, Four-Fold, 36 inch, Yard Divisions, with 8ths and 16ths, 1 inch wide,	\$8.00
84 $\frac{1}{4}$,	Arch Joint, Middle Plates, Four-Fold, 36 inch, 8ths and 16ths, 1	" 8.00
84 $\frac{1}{2}$,	Arch Joint, Bound, Four-Fold, 36 inch, Yard Divisions, with 8ths and 16ths, 1	" 22.00
84 $\frac{3}{4}$,	Arch Joint, Bound, Four-Fold, 36 inch, 8ths and 16ths, 1	" 22.00
95,	Edge Plates, Three-Fold, 12 inch, 8ths and 16ths, . $\frac{1}{2}$	" 6.00
96,	Arch Joint, Edge Plates, Six-Fold, 24 inch, 8ths and 16ths, $\frac{3}{4}$	" 13.00

IVORY RULES.

One Foot, Four-Fold, with 8ths and 16ths.



No. 53. Square Joint, Middle Plates.



No. 57. Arch Joint, Bound.

No.								Per Dozen.
52.	Round Joint,	Middle Plates,	Brass,	.	.	.	$\frac{1}{2}$ inch wide,	\$10.00
53,	Square	"	"	"	.	.	$\frac{1}{2}$ "	12.00
54,	"	"	"	"	German Silver,	.	$\frac{1}{2}$ "	14.00
55,	"	"	Edge	"	"	"	$\frac{5}{8}$ "	17.00
56,	Arch	"	"	"	"	"	$\frac{5}{8}$ "	21.00
57	"	"	Bound,	German Silver,	.	.	$\frac{1}{2}$ to $\frac{5}{8}$ "	32.00
58,	Square	"	"	"	"	.	$\frac{1}{2}$ to $\frac{5}{8}$ "	28.00

Two Feet, Four-Fold, Narrow.

WITH FULL SCALES.

No.								Per Dozen.
59,	Square Joint,	Edge Plates,	German Silver,	.	.	.	$\frac{7}{8}$ inch wide,	\$54.00
60,	Arch	"	"	"	"	.	1 "	64.00
61,	"	"	Bound,	German Silver,	.	.	1 "	80.00
62,	Double Arch Joint,	Bound,	German Silver,	.	.	.	1 "	92.00

Ivory Architects' Rules, see page 7.

Two Feet, Four-Fold, Broad.

WITH FULL SCALES.

No.								Per Dozen.
63,	Arch Joint,	Edge Plates,	German Silver,	.	.	.	$1\frac{3}{8}$ inch wide,	\$84.00
64,	"	"	Bound,	German Silver,	.	.	$1\frac{3}{8}$ "	102.00
65,	"	"	"	with Slide,	German Silver,	.	$1\frac{3}{8}$ "	112.00
66,	"	"	"	"	Caliper,	"	$1\frac{3}{8}$ "	120.00
67,	Double Arch Joint,	Bound,	German Silver,	.	.	.	$1\frac{3}{8}$ "	116.00

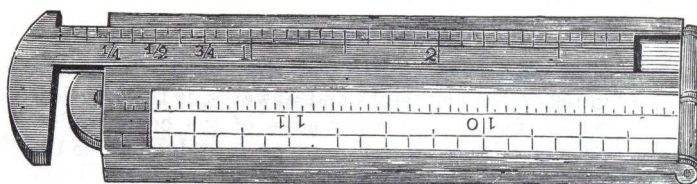
IVORY RULES.

Two-Fold.

No.						Per Dozen.
68,	Round Joint,	6 inch,	Brass,	.	.	$\frac{1}{2}$ inch wide, \$4.50
69,	Arch	12	German Silver,	8ths, 16ths, 10ths,		
	and 12ths,	.	.	.	$\frac{3}{4}$	24.00

CALIPER RULES, IVORY.

With 8ths and 16ths.



No. 79.

No.							Per Dozen.
74,	Square Joint,	Two-Fold,	6 inch,	German Silver,	.	$\frac{7}{8}$ inch wide,	\$15.00
74 $\frac{1}{2}$,	"	"	6	"	"	Bound,	$\frac{7}{8}$ " 30.00
77 $\frac{1}{2}$,	"	"	6	"	"	"	$\frac{5}{8}$ " 24.00
75,	"	"	6	"	"	Case,	$\frac{7}{8}$ " 22.00
76,	"	"	Edge Plates,	Four-Fold,	12 inch,	German	
	Silver,	.	.	.	.	$\frac{7}{8}$	" 38.00
77,	Square Joint,	Bound,	Four-Fold,	12 inch,	German		
	Silver,	.	.	.	.	$\frac{1}{2}$ to $\frac{5}{8}$	" 44.00
78,	Arch Joint,	Bound,	Four-Fold,	12 inch,	German		
	Silver,	.	.	.	.	$\frac{1}{2}$ to $\frac{5}{8}$	" 48.00
79,	Square Joint,	Bound,	Four-Fold,	12 inch,	German Silver,	$\frac{7}{8}$	" 48.00

Boxwood and Ivory Rules graduated with Spanish or Metric measure without additional cost.

MISCELLANEOUS RULES.

Bench and Pattern-Makers' Rules.

No.		Per Dozen.
80,	Bench Rule, 24 inch,	1½ inch wide, \$3.00
81,	" " 24 " Board Measure Table,	1½ " 6.00
81½,	Pattern-Makers' Shrinkage Rule, Boxwood, 24½ inch,	15.00
49½,	Forwarding Sticks, Brass T Head, 5 foot,	24.00

Yard Sticks.

82,	Yard Stick,	\$1.50
82½,	" " Polished,	2.00
83,	" " Brass Tipped, Polished,	3.50
97,	" " " " " ½ inch square,	4.00
98,	" " Hickory, Brass Tipped, Polished,	4.50

Board Measures.

EXPLANATION OF BOARD STICKS.—Know the length of boards you wish to measure. The figures on the end, eight and upwards, is the length in feet; place the Stick on the flat surface to the outer edge of the board, follow the length column to the opposite edge, and the figure on the edge will be the contents in feet of 1 inch boards.

86,	Board Stick, Octagon, 8 Lines, 9 to 16 feet	24 inch, \$6.00
87,	" " Square and Octagon, 16 Lines, 8 to 23 feet,	24 " 8.00
88,	" " " " " 16 " 8 " 23 "	36 " 12.00
89,	" " Walking Cane, Brass Head and Tip, 8 Lines,	
	9 to 16 feet,	36 " 12.00
90,	Board Stick, Flat with T Head, 10 Lines, 9 to 19 feet,	36 " 9.00
90½,	" " Hickory, Flat, with T Head, 8 Lines, 9 to	
	16 feet,	36 " 12.00
90¾,	Board Stick, Flat Hickory, Extra Thin, Steel Head, Extra	
	Strong, 6 Lines, 12 to 22 feet,	36 " 26.00

Log Measures.

EXPLANATION OF LOG STICKS.—These Sticks give the number of feet of 1 inch square edge boards sawed from a log from 12 to 36 inches in diameter. The figures 12 to 20, near the head, are for the length of logs in feet; follow the column under the length of the log to the diameter of the log, which will give the number of feet the log will make. Logs not over 15 feet long, the diameter should be taken at the small end; over 15 feet in length, at the middle.

91,	Log Stick, Flat, with T Head,	36 inch, \$9.00
91½,	" " Hickory, Flat, with T Head,	36 " 12.00
89½,	" " Walking Cane, Brass Head and Tip,	36 " 12.00

MISCELLANEOUS RULES.

Wantage and Gauging Rods.

No.		Per Dozen.
92,	Wantage Rod,	\$5.00
83,	Gauging Rod, 36 inch,	7.00
94,	" " 48 "	8.00
94 $\frac{1}{2}$,	" " with Wantage Table, 48 "	18.00

Explanation of Gauging Rod Tables.

In ascertaining the amount of liquid in a Hogshead of 108 gallons, use No. 94 $\frac{1}{2}$ Rod. Drop the pointed end of the Rod into the bung of the Hogshead, while lying on its side, and observe on the scale of inches how far up the Rod is wet. Then look at the Table marked "Hhd.," and against the figures in the columns marked "inches" and "parts in.," agreeing with the point at which the wet line appears on the scale of inches, will be found the number of gallons contained in the Hogshead. Should the Hogshead be more than half full, the contents will be ascertained by deducting the "inches" and "parts in." of dry space above the liquid — or the gallons indicated in the Table against the same — from the full capacity of the Hogshead (108 gals.). The other Tables (for Tierce, Bbl., and Half Bbl.) may be used in the same manner for Casks of their respective contents. The graduations on the opposite side from the Tables will indicate the total capacity of any regularly shaped cask, by carrying the brass tip on the Rod down to the inner end of the cask at the chime, the bung being at the middle of the upper side; and observing the graduation which comes at the center of the bung-hole, while the Rod is in this position, you will have the total capacity in gallons.

School Rules.

No.		Per Dozen.
99,	Beech, 12 inch, $\frac{3}{4}$ inch wide,	\$0.60
99 $\frac{1}{2}$,	Boxwood, 12 inch, graduated two Lines, $\frac{3}{4}$ "	1.50

List Prices of Stationers' Desk Rules upon application.

COMMON BENCH PLANES.

STAMPED J. PEARCE.

COMMON BENCH PLANES, SINGLE IRONS.

With Iron Starts.

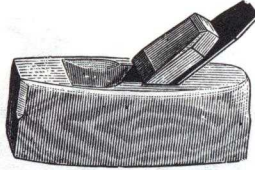
No.									Price, Each.
100, Smooth,	Best Cast Steel Irons,	.	.	.	.	.	.	.	\$0.60
101, Jack,	" " "	.	.	.	.	.	.	.	.75
102, Fore,	" " "	.	.	.	.	.	.	.	1.00
103, Jointer, 26 inch,	" " "	.	.	.	.	.	.	.	1.10

COMMON BENCH PLANES, DOUBLE IRONS.

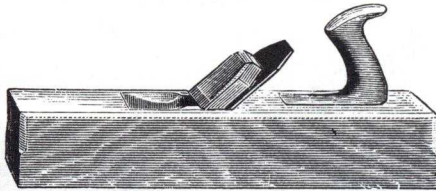
With Iron Starts.

No.	Price, Each.
108, Smooth, Best Cast Steel Irons,	\$0.90
108½, " Jack Handle, Best Cast Steel Irons,	1.50
109, Jack, " " "	1.00
110, Fore, " " "	1.40
111, Jointer 26 inch, " " "	1.50
" 28 " " " "	1.60
	Per Set.
Common Planes, Double Irons,	4.80

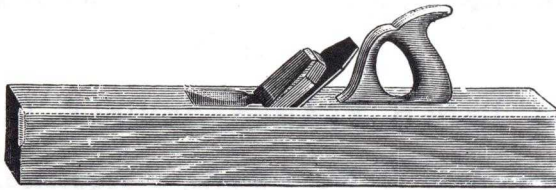
EXTRA BENCH PLANES.



No. 112.



No. 113.



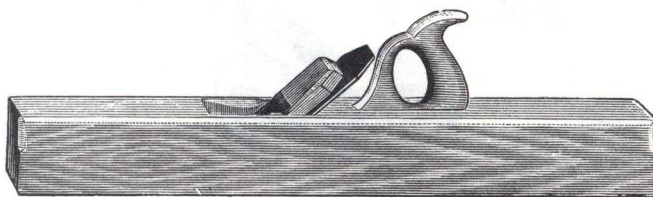
No. 114. 22 inch.

EXTRA BENCH PLANES, SINGLE IRONS.

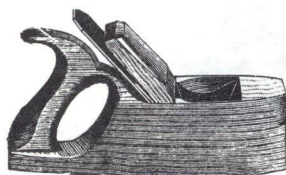
With Iron or Wood Starts, if requested.

No.				Price, Each
104,	Smooth,	.	Best Cast Steel Irons, $1\frac{3}{4}$ to $2\frac{1}{4}$ inch,	\$0.60
105,	Jack,	.	" " " 2 to $2\frac{1}{4}$ "	.75
105 $\frac{1}{2}$,	" Razee Handle,	.	" " " 2 to $2\frac{1}{2}$ "	1.00
106,	Fore, 18 to 22 inch,	.	" " " $2\frac{3}{8}$ to $2\frac{1}{2}$ "	1.00
106 $\frac{1}{2}$,	" Razee Handle, 18 to 22 in.,	"	" " " $2\frac{3}{8}$ to $2\frac{1}{2}$ "	1.30
107,	Jointer, 24 to 26 inch,	.	" " " $2\frac{1}{2}$ "	1.20
107 $\frac{1}{2}$,	" Razee Handle, 24 to 26 in.,	"	" " " $2\frac{1}{2}$ "	1.60
	Planes with extra sized Single Irons,	.	add per $\frac{1}{8}$ "	.10
	" " English Irons, Single,	.	add	.15
	" " Handle Bolts,	.	add	.25

EXTRA BENCH PLANES.



No. 115. 26 inch.

No. 112 $\frac{3}{4}$.No. 112 $\frac{1}{2}$.

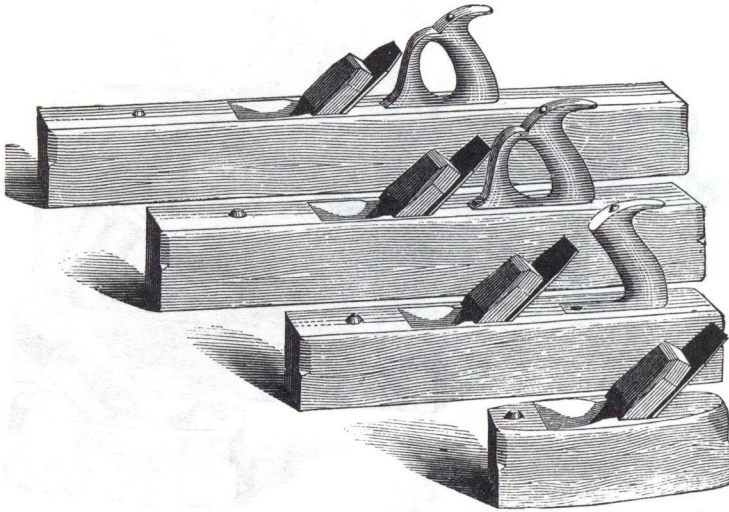
EXTRA BENCH PLANES, DOUBLE IRONS.

With Iron or Wood Starts, if requested.

No.						Price, Each.
112, Smooth,		Best Cast Steel Irons,	1 $\frac{3}{4}$ to 2 $\frac{1}{4}$ inch,			\$0.90
112 $\frac{1}{2}$, " Solid Handle,	"	"	2 " 2 $\frac{1}{4}$ "			1.75
112 $\frac{3}{4}$, " " Improved,	"	"	2 " 2 $\frac{1}{4}$ "			1.75
113, Jack,		"	2 " 2 $\frac{1}{4}$ "			1.00
113 $\frac{1}{2}$, " Razee Handle,	"	"	2 " 2 $\frac{1}{4}$ "			1.25
114, Fore,	18 to 22 in.,	"	2 $\frac{3}{8}$ " 2 $\frac{5}{8}$ "			1.40
114 $\frac{1}{2}$, " Razee Handle,	"	"	2 $\frac{3}{8}$ " 2 $\frac{1}{2}$ "			1.70
115, Jointer, 24 to 26 inch,		"	2 $\frac{1}{2}$ "			1.50
" 28 "		"	2 $\frac{5}{8}$ "			1.60
" 30 "		"	2 $\frac{3}{4}$ "			1.75
115 $\frac{1}{2}$, " Razee Handle, 24 to 26,	"	"	2 $\frac{1}{2}$ "			1.90
Planes with extra sized Double Irons,						add per $\frac{1}{8}$ " .15
" " English Irons, Double,						add .30
" " Handle Bolt,						add .25

PREMIUM BENCH PLANES, EXTRA C. S.

Double Irons.



Set 400 to 403.

With Bolted Handle and Start.

No.	Price, Each.
400, Smooth,	\$1.10
401, Jack,	1.35
402, Fore, 22 inch,	1.85
403, Jointer, 28 "	2.20

POLISHED PLANES.

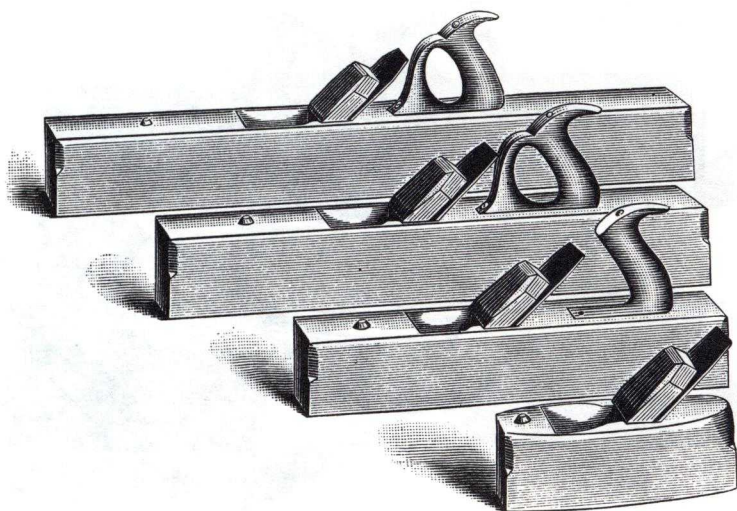
With Bolted Handle and Start.

No.	Price, Each.
404, Smooth,	\$1.35
405, Jack,	1.75
406, Fore, 22 inch,	2.35
407, Jointer, 28 "	2.80
408, Smooth, Solid Handle,	2.25
409, Mitre, Smooth Shape, Single Iron,	1.00
410, " " " Double "	1.25
Planes with English Irons, Single,	add .15
" " " Double,	" .30

Ebony or Boxwood Starts in place of Iron, if requested.

Planes with Diamond Bolts and Starts, add .25

SET OF PLANES IN CASES.



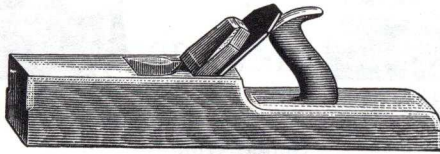
Set of Planes, No. 502.

Irons ground and tested, ready for working, neatly packed in wood cases. Sets of four consist of Double Iron Smooth, Jack, Fore 22 inch, Jointer 28 inch.

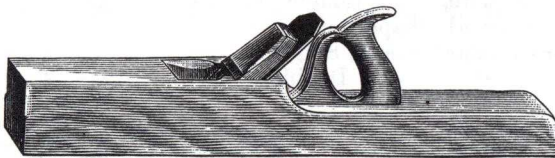
No.		Per Set.
500,	Set of Four Planes, with Iron Starts, Extra Quality, . . .	\$6.00
501,	" " " " " " " Razee, .	6.75
502,	" " Premium Planes, Bolted Handle and Starts, . .	8.00
503,	" " " " " " " Razee, .	8.75
504,	" " " " " " " Polished, .	10.00
505,	" " " " " " " Razee, Polished, .	10.75
	Solid Handle Smooth, in place of Double Smooth, . . extra,	.90
	" " " " with Set,	" 1.75
	Mitre Plane, Single, "	" .75

Ebony or Boxwood Starts, in place of Iron, will be furnished if desired.

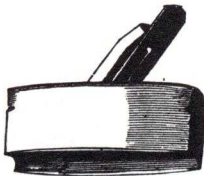
SHIP PLANES.



No. 424.



No. 425.



No. 427.

No.									Price, Each.
423, Smooth,	9 inch,	Best Cast Steel Double Irons,	.	to $1\frac{3}{4}$ inch,					\$1.00
424, Jack,	16 " Razee,	" " " " "	.	to $1\frac{7}{8}$ "					1.25
425, Fore,	22 " "	" " " " "	.	to $2\frac{1}{8}$ "					1.60
426, Jointer,	26 " "	" " " " "	.	to $2\frac{1}{4}$ "					1.80
427, Spar Plane,		" " " " "	.	.	.				1.50
428, " "		" " " Single, "	.	.	.				1.00
429, Gutter Plane,	12 inch,	" " " " "	.	$1\frac{3}{4}$ inch,					1.25

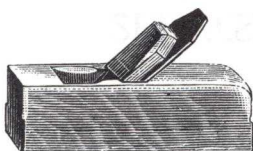
See page 16 for Razee Planes with wider Irons.

PLANES, WITHOUT IRONS.

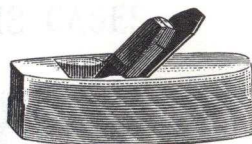
Plane Woods for Single Irons,	.	.	.	kind required, list prices, less	\$0.18
" " Double "	.	.	.	" " " "	.30

Discount same as on the Planes, the kind required.

MISCELLANEOUS PLANES.

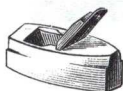


No. 431.

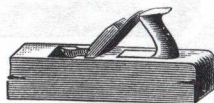


No. 432.

No.				Price, Each.
430,	Tooth Plane,	Single Iron,	$1\frac{5}{8}$ to 2 inch,	\$1.00
431,	Mitre " Square,	" "	$1\frac{1}{2}$ " $1\frac{3}{4}$ "	.75
432,	" " Smooth Shape,	" "	$1\frac{1}{2}$ " $1\frac{3}{4}$ "	.75
433,	" " Square,	Double "	$1\frac{3}{4}$ " "	1.00
434,	" " Smooth Shape,	" "	$1\frac{3}{4}$ " "	1.00
436,	Compass or Circular Smooth,	Single "	2 " $2\frac{1}{8}$ "	1.00
437,	" " " Double "	" "	2 " $2\frac{1}{8}$ "	1.25



No. 438.



No. 440.

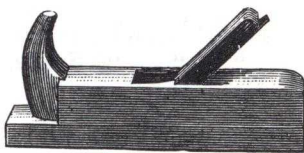
No.				Price, Each.
438,	Toy, Smooth,	Single Iron,	$1\frac{1}{2}$ inch,	\$0.50
439,	" " Double "	" "	$1\frac{1}{2}$ " "	.70
440,	" Jack,	Single "	$1\frac{1}{2}$ " "	.60
441,	" " Double "	" "	$1\frac{1}{2}$ " "	.80



No. 442.



No. 450.



No. 447. German Pattern Plane.

No.			Price, Each.
442,	Gutter Plane,	$1\frac{1}{2}$ to 2 inch,	\$1.25
447,	German Smooth or Bull Plane,	Single Iron,	1.40
448,	" " " Double "	" "	1.60
449,	Carpenters' Badger,	" "	3.00
450,	Coopers' Leveling Plane,	" "	1.75
451,	" Howell Plane and Stock, Barrel or Hogshead,	" "	3.75
452,	" Croze, with Solid Brass Head, Adjustable,	" "	5.00

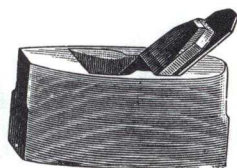
APPLEWOOD, BOXWOOD, AND ROSEWOOD PLANES.

POLISHED.

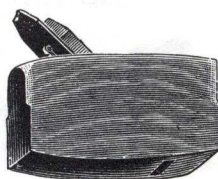
With Iron or Wood Starts. Extra C. S. Double Irons.

No.		Price, Each.
411, Smooth, Applewood,	2 to $2\frac{1}{4}$ inch,	\$1.50
411 $\frac{1}{2}$, " " Solid Handle,	2 " $2\frac{1}{4}$ "	2.50
412, Jack, " Bolted " "	2 " $2\frac{1}{4}$ "	1.75
413, Fore, " " " to 22 inch,	$2\frac{1}{2}$ "	2.50
414, Jointer, " " " to 26 " "	$2\frac{1}{2}$ "	3.25
415, Smooth, Boxwood,	2 " $2\frac{1}{4}$ "	2.50
415 $\frac{1}{2}$, " " Small Extra,	$1\frac{3}{4}$ "	1.75
416, " " Solid Handle,	2 " $2\frac{1}{4}$ "	5.00
417, " Rosewood,	2 " $2\frac{1}{4}$ "	2.00
417 $\frac{1}{2}$, " " Small Extra,	$1\frac{3}{4}$ "	1.50
418, " " Solid Handle,		4.00
419, Mitre, Boxwood, Single Iron,	$1\frac{1}{2}$ to $1\frac{3}{4}$ "	1.75
420, " " Double " "	$1\frac{1}{2}$ " $1\frac{3}{4}$ "	2.00
421, " Rosewood, Single Iron,	$1\frac{1}{2}$ " $1\frac{3}{4}$ "	1.50
422, " " Double " "	$1\frac{1}{2}$ " $1\frac{3}{4}$ "	1.75
Jack, Boxwood, Razee,		5.00
Fore, " 22 in., " "		7.50
Jointer, " 28 in., " "		9.50
Planes with English Irons, Single,		add .15
" " " " Double,		add .30

CARRIAGE MAKERS' TOOLS.



No. 1.

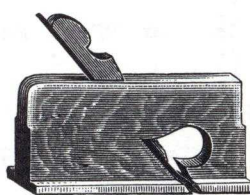


No. 2.

No.				Price, Each.
1,	Carriage Makers' Smooth, Double Iron,	.	to $1\frac{5}{8}$ inch,	\$1.10
2,	" " " Circle Face, Double Iron,	.	" $1\frac{5}{8}$ "	1.25



No. 3.



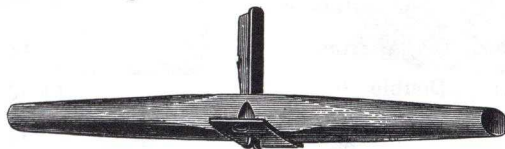
No. 5.

3,	Carriage Makers' Rabbet Plane,	.	.	.	1 inch,	\$1.00
4,	" " " " Circle Face,	.	.	.	1 "	1.10
5,	" " T " " Circle Face,	1.20
6,	" " T " " Circle Face,	1.35



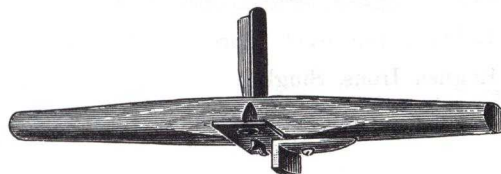
No. 7.

7,	Carriage Makers' Beading Tool,	\$1.75
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No. 9.

8,	Carriage Makers' Router, Single Cutter,	\$1.00
9,	" " " Double	1.20

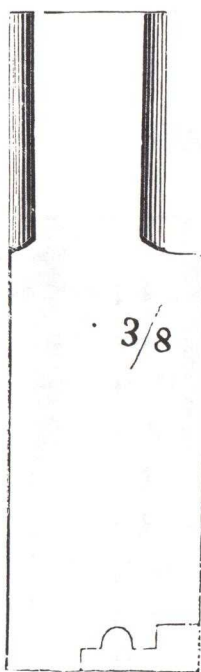


No. 10.

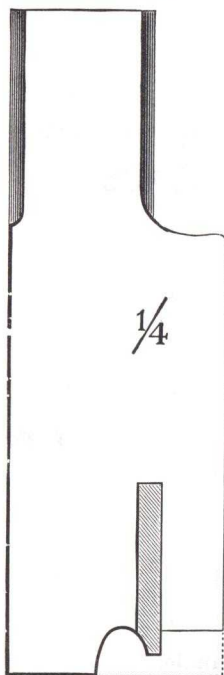
10,	Carriage Makers' Router, Double Cutter, with Guard,	\$1.40
11,	" " Panel Router,	.	.	.	.	.	5.00
12,	" " Boxing Tool.	.	.	.	.	.	1.60

BEAD PLANES.

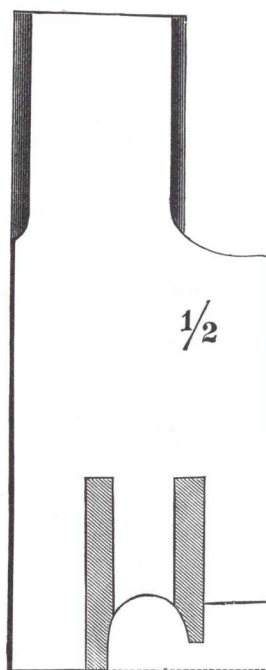
Beads.



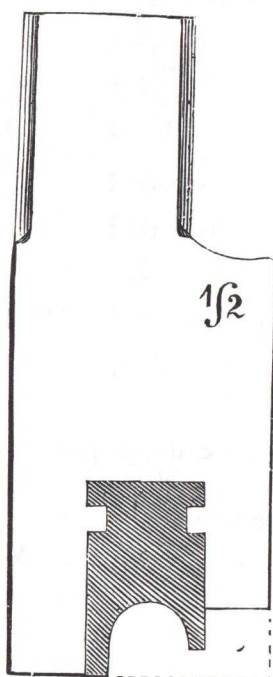
No. 122.



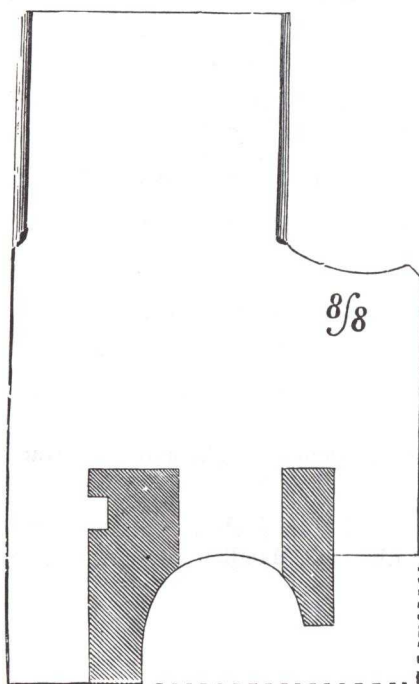
No. 123.



No. 124.



No. 125.



No. 125.

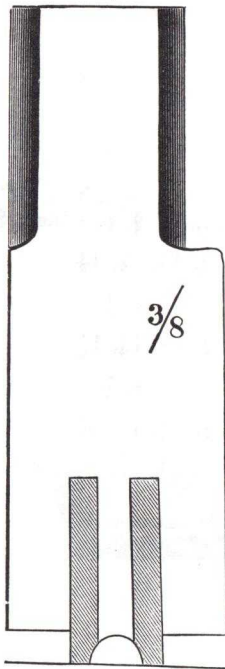
BEADS.

No.											Price, Each.
122, Astragals,	.	.	.	.	.	.	.	.	$\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ inch,		\$0.55
"	.	.	.	.	.	.	.	.	$\frac{7}{8}$, 1	"	.55
"	.	.	.	.	.	.	.	.	$1\frac{1}{8}$, $1\frac{1}{4}$	"	.60
123, Beads, Single Boxed,	.	.	.	.	.	$\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{8}$, $\frac{1}{2}$	.	.	.	"	.50
"	"	"	"	.	.	.	.	.	$\frac{5}{8}$, $\frac{3}{4}$	"	.55
"	"	"	"	.	.	.	.	.	$\frac{7}{8}$, 1	"	.70
"	"	"	"	.	.	.	.	.	$1\frac{1}{8}$, $1\frac{1}{4}$	"	.90
"	"	"	"	.	.	.	.	.	$1\frac{3}{8}$, $1\frac{1}{2}$	"	1.00
"	"	"	with Handle,	.	.	.	.	.	$1\frac{1}{2}$	"	1.90
124, " Double	"	.	.	.	.	$\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{8}$, $\frac{1}{2}$	.	.	.	"	.60
"	"	"	.	.	.	.	.	.	$\frac{5}{8}$, $\frac{3}{4}$	"	.65
"	"	"	.	.	.	.	.	.	$\frac{7}{8}$, 1	"	.80
"	"	"	.	.	.	.	.	.	$1\frac{1}{8}$, $1\frac{1}{4}$	"	1.00
125, " Solid	"	Dovetailed,	.	.	.	$\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$	.	.	.	"	.70
"	"	"	"	.	.	$\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{8}$, $\frac{1}{2}$	.	.	.	"	.80
"	"	"	"	.	.	$\frac{5}{8}$, $\frac{3}{4}$	.	.	.	"	.90
"	"	"	"	.	.	$\frac{7}{8}$, 1	.	.	.	"	1.00
"	"	"	"	.	.	$1\frac{1}{8}$, $1\frac{1}{4}$	.	.	.	"	1.20

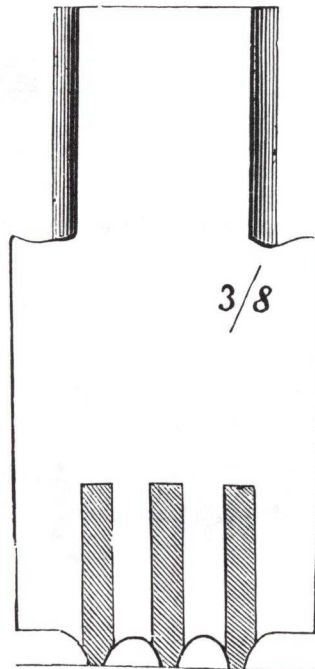
Beads, Double, Right and Left Hand, in one Block, double price.

Beads with Solid Handle, extra, \$1.00

BEADS AND REEDING PLANES.



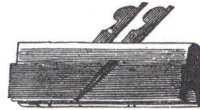
No. 126.



No. 131.

No.		Price, Each.
126,	Center Beads, Double Boxed, . . . $\frac{1}{8}, \frac{3}{16}, \frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \frac{7}{16}, \frac{1}{2}$ inch,	\$0.65
"	" $\frac{5}{8}, \frac{3}{4}$ "	.75
127,	" " Solid Boxed, Dovetailed, $\frac{1}{8}, \frac{3}{16}, \frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \frac{7}{16}, \frac{1}{2}$ "	.85
"	" " " " " $\frac{5}{8}, \frac{3}{4}$ "	1.00
131,	Reeding Planes, $\frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}$ "	1.00
128,	" " Cutting two Reeds, . . . $\frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}$ "	1.25
129,	" " " three " . . . $\frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}$ "	1.60
130,	" " " four " . . . $\frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}$ "	2.00

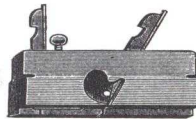
NOSING STEP OR STAIR PLANES.



No. 133.

No.		Price, Each.
132,	Nosing or Step Plane, one Iron, $\frac{3}{4}$, $\frac{7}{8}$, 1 inch,	\$0.80
"	" " " " " " $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$ "	1.00
133,	" " " two Irons, $\frac{3}{4}$, $\frac{7}{8}$, 1 "	1.10
"	" " " " " " $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$ "	1.20
133 $\frac{1}{2}$,	" " " " " Handled, $\frac{3}{4}$, $\frac{7}{8}$, 1 "	1.50
"	" " " " " " " $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$ "	1.75
134,	" " " Single Iron, " $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$ "	1.25
135,	Hand Rail Plane, Ovolo or Ogee, "	1.40

DADOES.



No. 139.

[illegible]

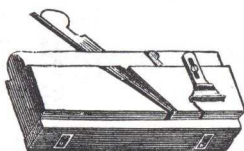
PANEL PLANES.

No.		Price, Each.
140,	Panel Plane,	\$1.15
141,	" " and Cut,	1.40
142,	" " with Moving Fence,	1.50
143,	" " " " " and Cut,	1.70

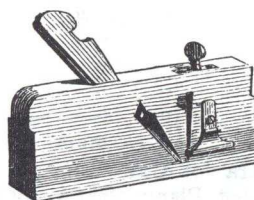
DOOR PLANES.

No.		Price, Each.
144,	Door Planes, Ogee or Bevel, $\frac{1}{2}$ to $\frac{5}{8}$ inch,	\$0.88
145,	" " Double Screw Arms,	1.50

FILLETSTERS.



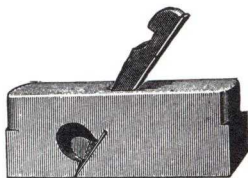
No. 148.



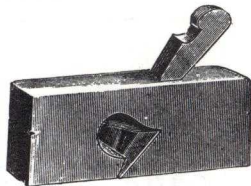
No. 150.

No.		Price, Each.
146,	Filletster,	\$1.10
147,	" with Stop,	1.25
148,	" " " and Cut,	1.40
149,	" " " Cut and Dovetailed, Boxed,	1.85
150,	" " Screw Stop, Cut and Dovetailed, Boxed,	2.50
150 $\frac{1}{2}$,	" " " " " " " and Box- wood Fence,	3.00
150 $\frac{3}{4}$,	Filletster, with Screw Stop, Cut, Solid Box or Rosewood,	5.00
151,	" " " " Cut and Dovetailed, Boxed, Solid Handle,	3.75
	Extra for Rabbet Mouth, . . . . .	.25
152,	Filletster, with Arms, Stop, Cut and Dovetailed, Boxed,	2.75
153,	" " Screw Arms, Stop, Cut and Dovetailed, Boxed,	3.00
154,	" " " " Screw Stop, Cut and Dovetailed, Boxed,	4.00
154 $\frac{1}{2}$,	" " " " " " " Solid Box or Rosewood,	6.25
154 $\frac{3}{4}$,	Back Filletster, Screw Arm and Screw Stop,	4.00

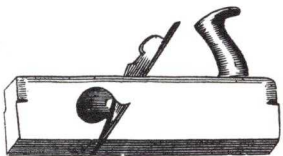
RABBIT PLANES.



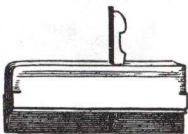
No. 155.



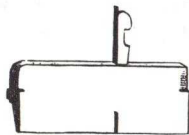
No. 157.



No. 160.



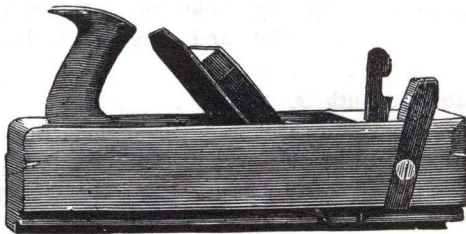
One pair. No. 161.



No. 161.

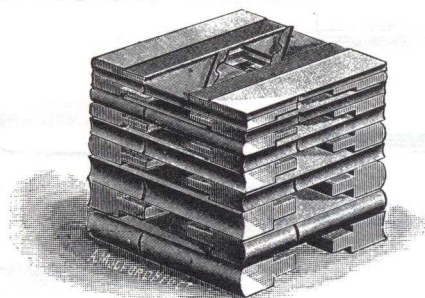
No.	NO. 160.		One pair.		NO. 161.		Price, Each.
155,	Rabbet Planes,	Square,	.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$,	1	inch, \$0.60
	"	"	.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	$1\frac{1}{4}$	.65
	"	"	.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	$1\frac{1}{2}$	.70
156,	"	"	Double Boxed,	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	1	" 1.10
	"	"	"	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	$1\frac{1}{4}$	1.20
	"	"	"	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	$1\frac{1}{2}$	1.30
157,	"	"	Skew,	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$,	1	" .60
	"	"	"	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	$1\frac{1}{4}$	.65
	"	"	"	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	$1\frac{1}{2}$	.70
	"	"	"	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	$1\frac{3}{4}$	.80
	"	"	"	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	2	.90
	"	"	"	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	$2\frac{1}{4}$	1.00
	Extra for Cut,		.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$,	1	.20
158,	Rabbet Planes,	Skew, Boxed and Cut,	.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$,	1	" 1.25
	"	"	"	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	$1\frac{1}{4}$	1.30
	"	"	"	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	$1\frac{1}{2}$	1.35
	"	"	"	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	$1\frac{3}{4}$	1.40
	"	"	"	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	2	1.45
	"	"	"	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	$2\frac{1}{4}$	1.50
159,	Handle Rabbet,	16 inch, Handle on Side, one Cut,	.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$,	to $2\frac{1}{2}$	" 1.60
160,	"	16 " " " Top,	"	"	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	to $2\frac{1}{2}$	" 1.50
	Extra for two Cuts,		.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	"	.20
161,	Side Rabbet Planes,	.	.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$,	per pair,	1.25

RAISING PLANES.

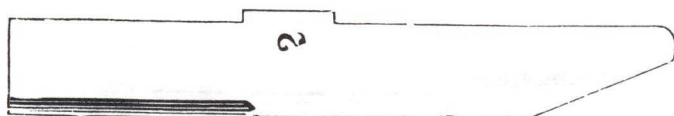
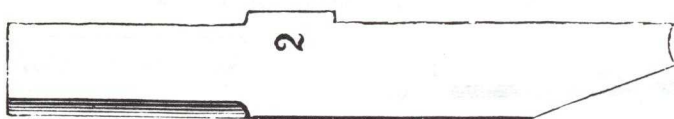
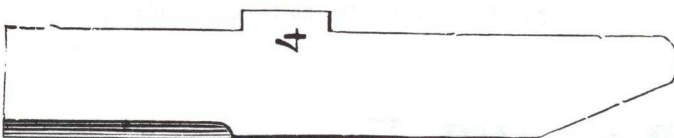
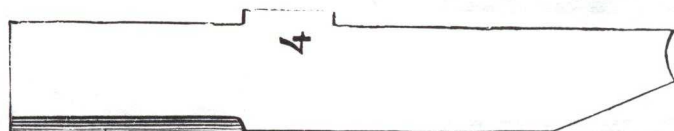
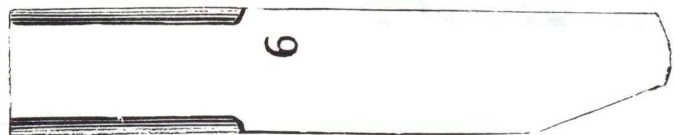
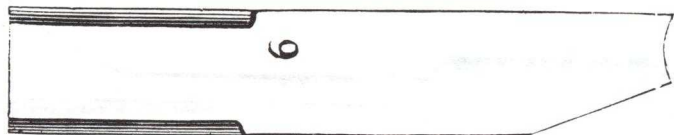


No.		Per Inch.
162,	Raising Plane, with Stop and Cut, . 2 $\frac{1}{2}$, 3, 3 $\frac{1}{2}$, 4 inch,	\$1.00
162 $\frac{1}{2}$,	" " Double Iron, " " " . 2 $\frac{1}{2}$, 3, 3 $\frac{1}{2}$, 4 "	1.25
	Shoulder Boxed,	Extra, .50

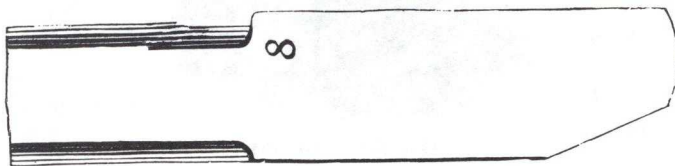
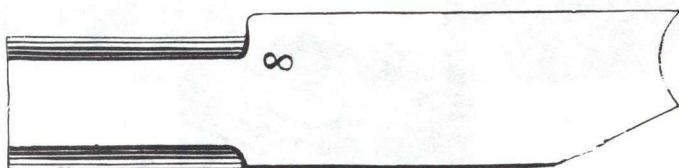
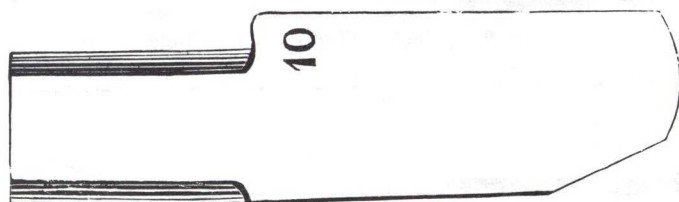
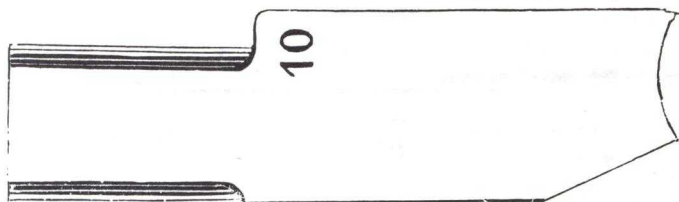
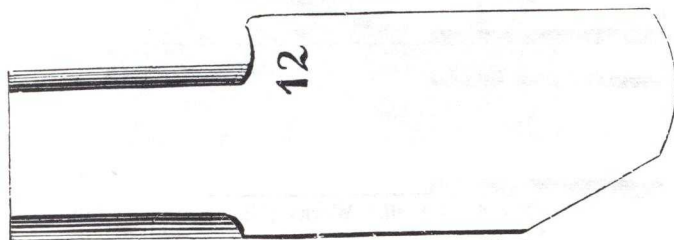
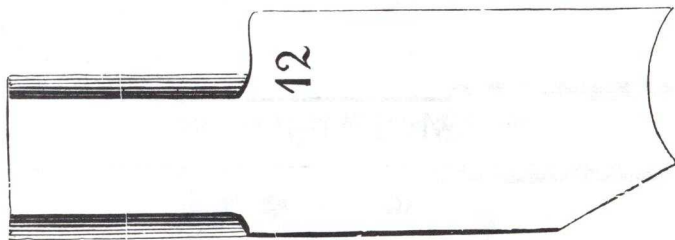
HOLLOWS AND ROUNDS.



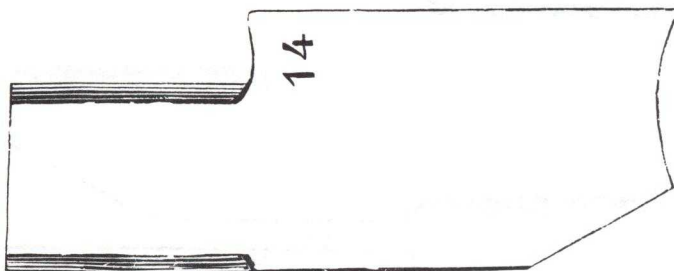
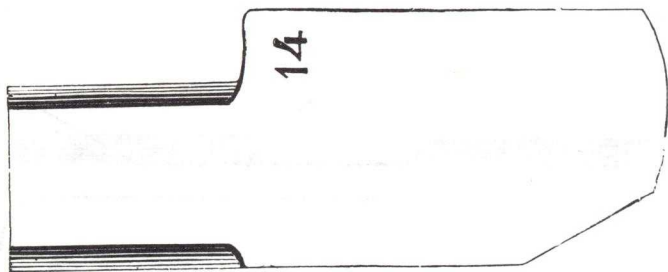
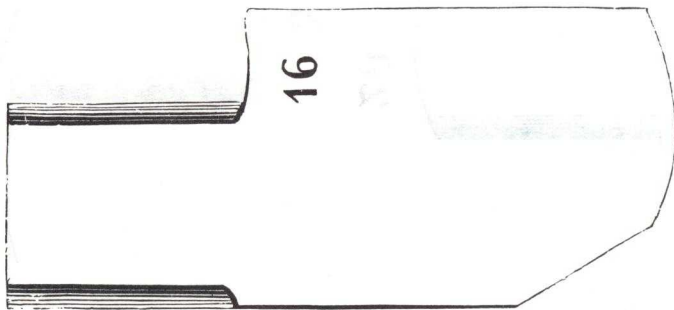
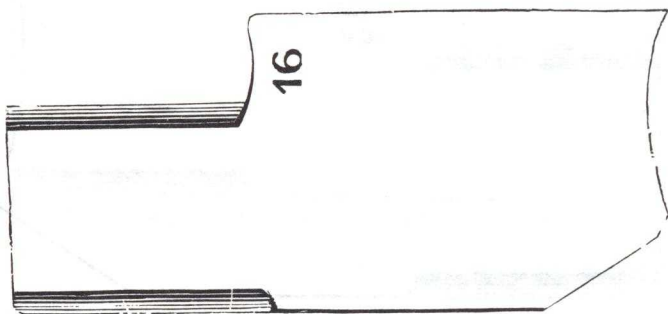
One Set. No. 164.

No. 2. $\frac{1}{4}$ inch. Works $\frac{1}{4}$ inch Circle.No. 4. $\frac{3}{8}$ inch. Works $\frac{1}{2}$ inch Circle.No. 6. $\frac{1}{2}$ inch. Works $\frac{3}{4}$ inch Circle.

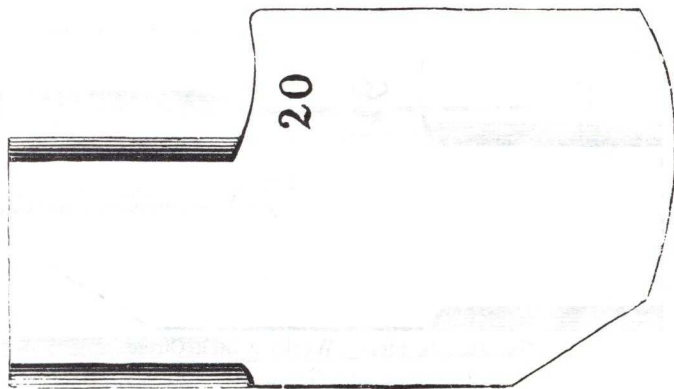
HOLLOWS AND ROUNDS.

No. 8. $\frac{5}{8}$ inch. Works 1 inch Circle.No. 10. $\frac{3}{4}$ inch. Works $1\frac{1}{4}$ inch Circle.No. 12. $\frac{7}{8}$ inch. Works $1\frac{1}{2}$ inch Circle.

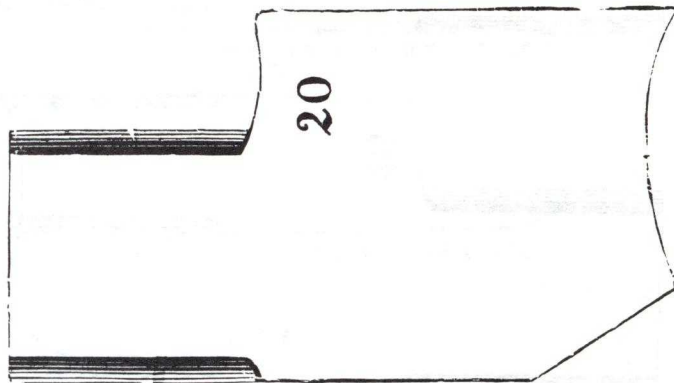
HOLLOWS AND ROUNDS.

No. 14. 1 inch. Works $1\frac{1}{4}$ inch Circle.No. 16. $1\frac{1}{2}$ inch. Works 2 inch Circle.

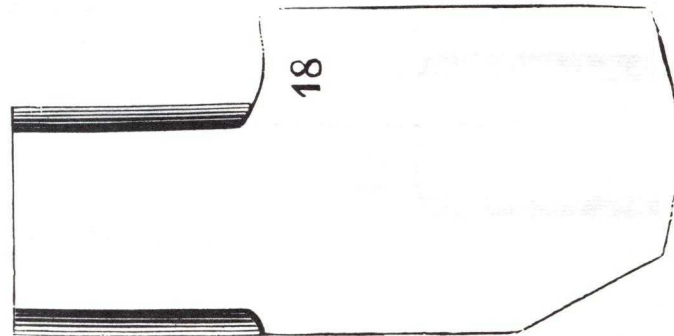
HOLLOWS AND ROUNDS.



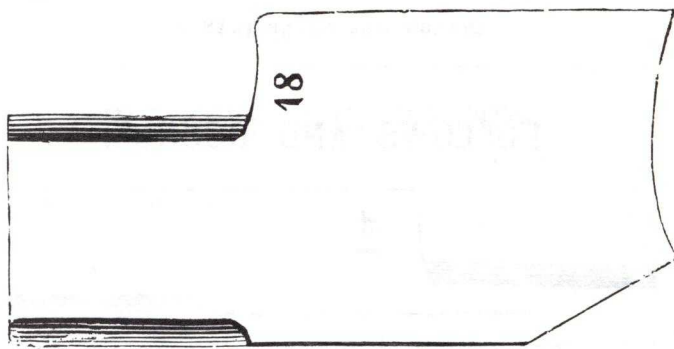
No. 20. 1½ inch. Works 2½ inch Circle.



No. 20. 1½ inch. Works 2½ inch Circle.

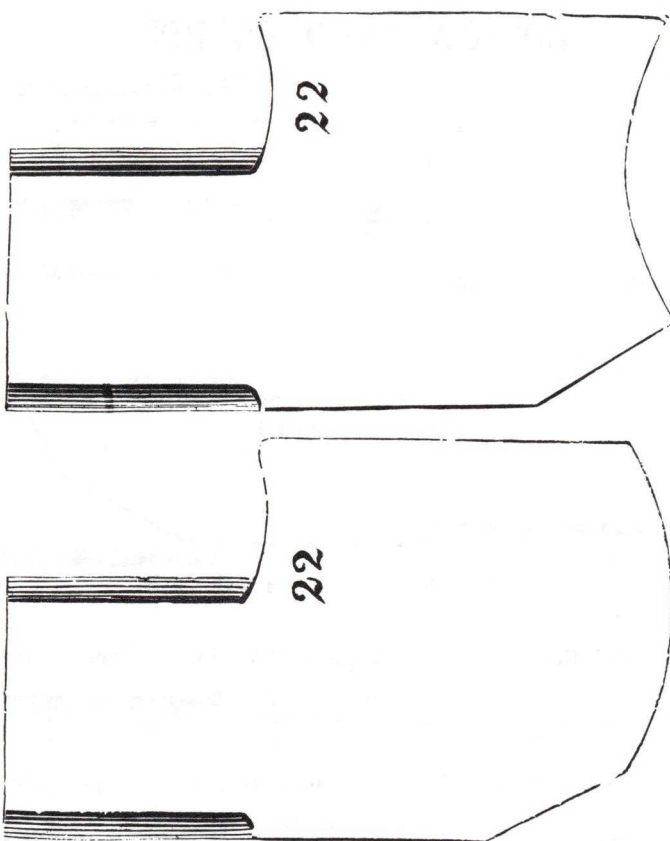
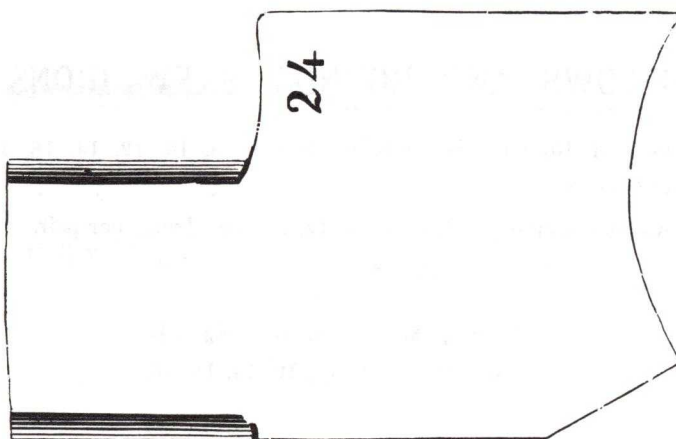


No. 18. 1¼ inch. Works 2¼ inch Circle.

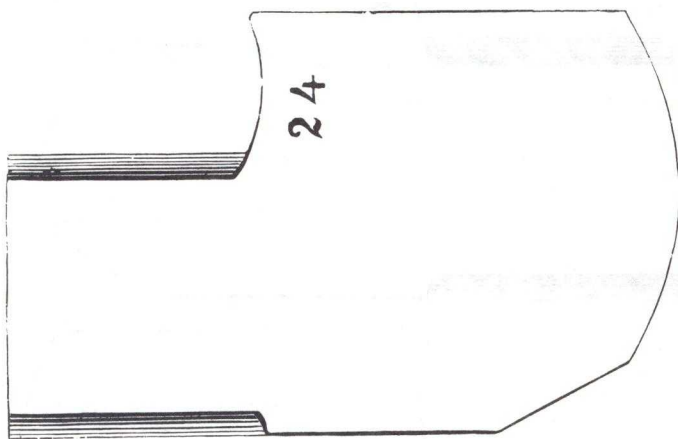


No. 18. 1¼ inch. Works 2¼ inch Circle.

HOLLOWS AND ROUNDS.

No. 22. $1\frac{1}{4}$ inch. Works 3 inch Circle.

HOLLOWS AND ROUNDS.

No. 24. 2 inch. Works $3\frac{1}{2}$ inch Circle.

No.					Price.
163,	Hollows and Rounds,	Set 9 pairs, 2 to 18,	Even numbers,		\$7.20
164,	"	" 10 " 2 " 20,	"		8.30
165,	"	" 12 " 2 " 24,	"		10.50
167,	"	Nos. 2, 4, 6, 8, 10, 12,	per pair,		.75
	"	" 14, 16, 18,	"		.90
	"	" 20, 22, 24,	"		1.10

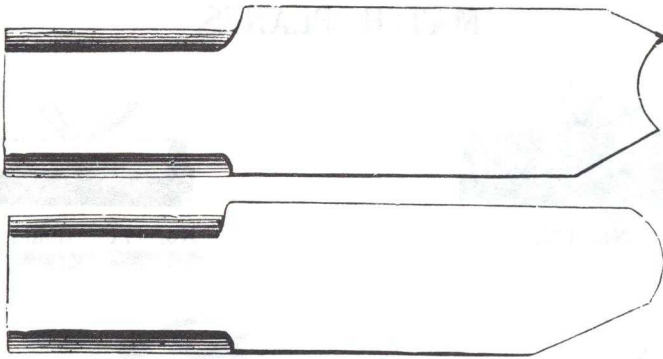
HOLLOWS AND ROUNDS, SKEW IRONS.

166,	Hollows and Rounds,	Set 9 pairs, 2, 4, 6, 8, 10, 12, 14, 16, 18,	
	Skewed Irons,		\$9.50
166 $\frac{1}{2}$,	Hollows and Rounds,	2, 4, 6, 8, 10, 12, Skewed Irons, per pair,	1.00
	"	" 14, 16, 18,	" " " 1.50

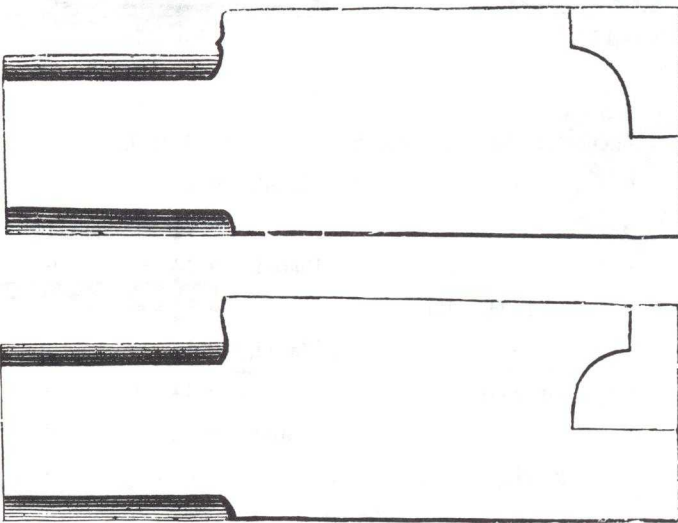
Size, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{1}{4}$.

No. 2, 4, 6, 8, 10, 12, 14, 16, 18.

TABLE HOLLOWS AND ROUNDS.



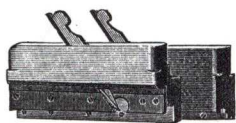
1 Pair. No. 168.



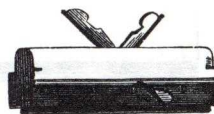
1 Pair. No. 170.

No.							Price, per pair.
168,	Table	Hollows	and	Rounds,	.	.	\$1.00
169,	"	"	"	Dovetailed	Boxed,	.	1.50
170,	"	"	"	with	Fence,	.	1.40
	"	"	"	Gauge,	.	.	.15

MATCH PLANES.



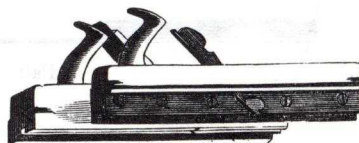
No. 174.



No. 171. Double.



No. 175.

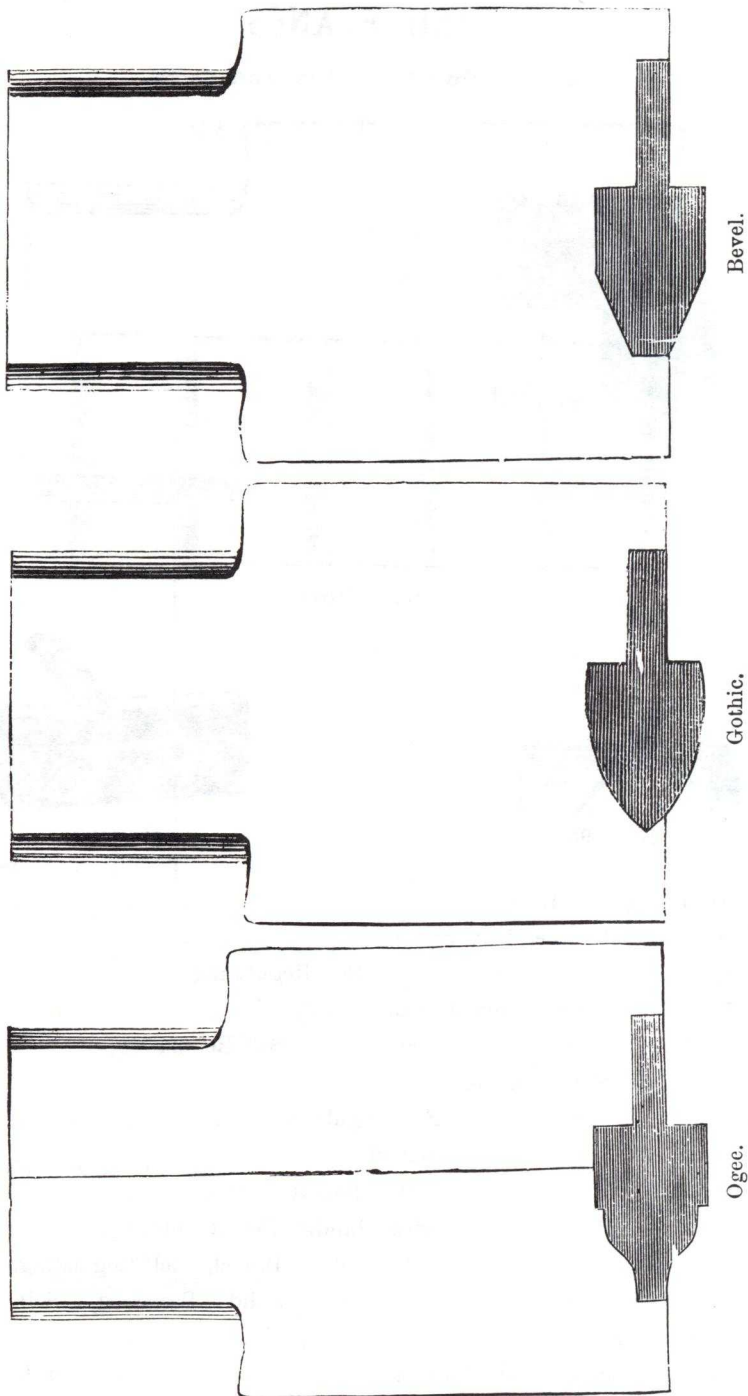


No. 178.

No.						Price.
171,	Match Planes,	Double one Block,		to 1 inch,		\$1.25
172,	"	"	"	Plated, " 1 "		1.50
173,	"	"	"	" 1 1/4 "	per pair,	1.25
174,	"	"	"	Plated, " 1 1/4 "	"	1.50
175,	"	with Handle,	"	" 1 1/4 "	"	2.00
176,	"	"	"	Plated, " 1 1/4 "	"	2.25
177,	"	for Plank,	"	" 1 1/2 "	"	1.85
178,	"	"	"	Plated, " 1 1/2 "	"	2.25
179,	"	Moving Fence,	"	"	"	2.20
180,	"	"	"	Plated, " "	"	2.60
181,	"	Screw or Slide Arms,	"	"	"	3.50
182,	"	"	"	Plated, " "	"	3.75
183,	"	Boxwood Screw Arms,	"	"	"	4.50
184,	"	"	"	Plated or Boxed Fence,	"	4.75
	Extra, for Boxing the Groove,	"	"	"	"	.50

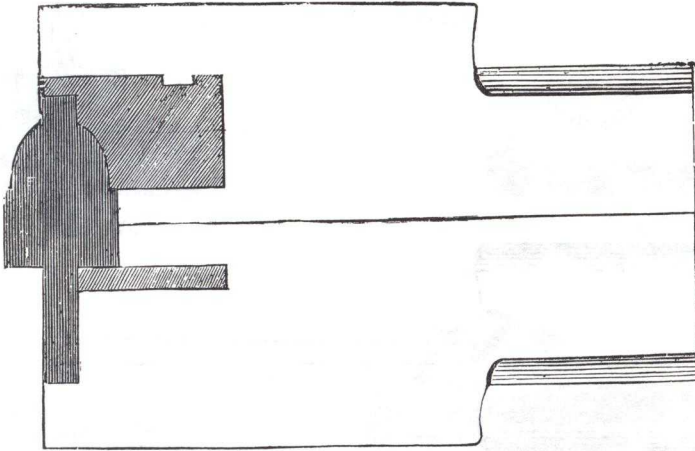
SASH PLANES.

Ovolo, Bevel, Gothic, and Ogee.

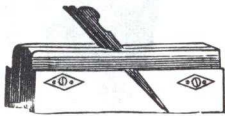


SASH PLANES.

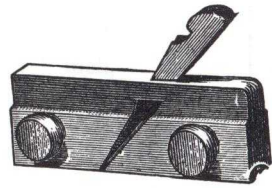
Ovolo, Bevel, Gothic, and Ogee.



Ovolo. Boxed.



No. 190.

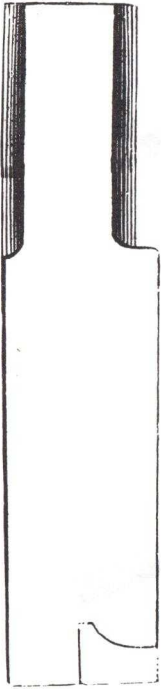


No. 193.

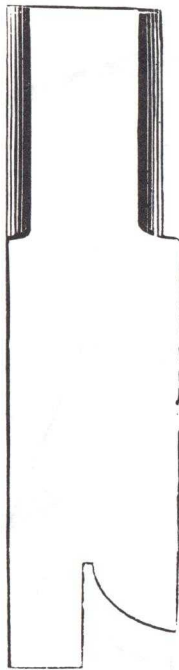
No.		Price, Each.
185,	Sash Plane, one Iron,	\$0.60
189,	" " Double, Iron Screw,	1.50
190,	" " " " Self-Regulating,	1.85
191,	" " " Boxed, Iron Screw,	1.75
192,	" " " " " Self-Regulating,	2.25
193,	" " Screw Arms,	1.75
194,	" " " " Self-Regulating,	2.60
195,	" " " " Boxed,	2.25
196,	" " " " Self-Regulating,	2.90
197,	" " " " with Handle, Self-Regulating,	2.75
198,	" " " " " " Boxed, Self-Regulating,	3.15
199,	" " " " " " Solid Boxwood, Self-Regulating,	4.50
	Templets, Gauges, and Prickers, each,	.15

SASH COPING PLANES.

Ovolo, Bevel, Gothic, and Ogee.



Ovolo.



Gothic.



Bevel.



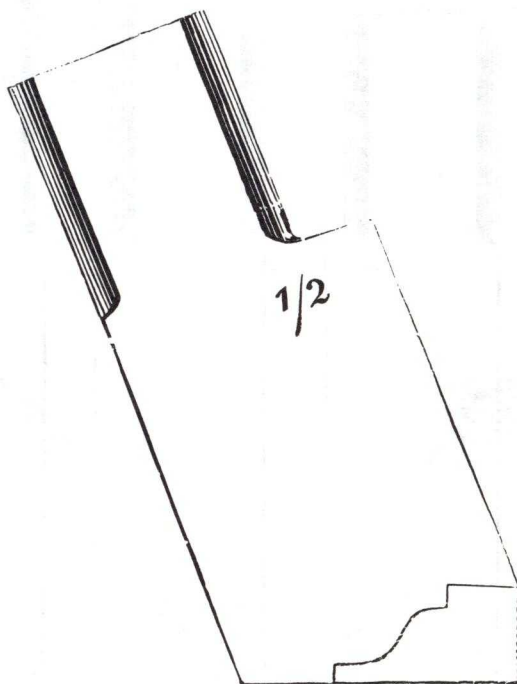
Ogee.

No.	Price, Each.
200, Sash Coping Planes,	\$0.50
201, " " " Boxed, . . . . .	.90
203, " Filletster, Screw Arms, with Stop,	3.50

MOULDING PLANES.

SIZE GIVEN IS THE WIDTH THE TOOL WORKS. DEPTH USUALLY ONE-HALF THE WIDTH.

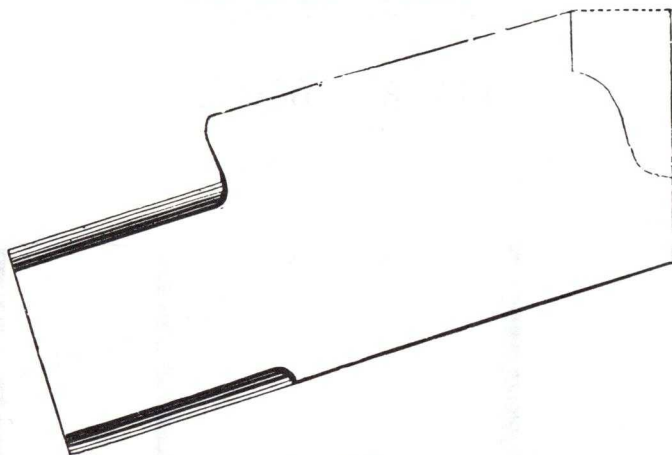
Plain Ogees.



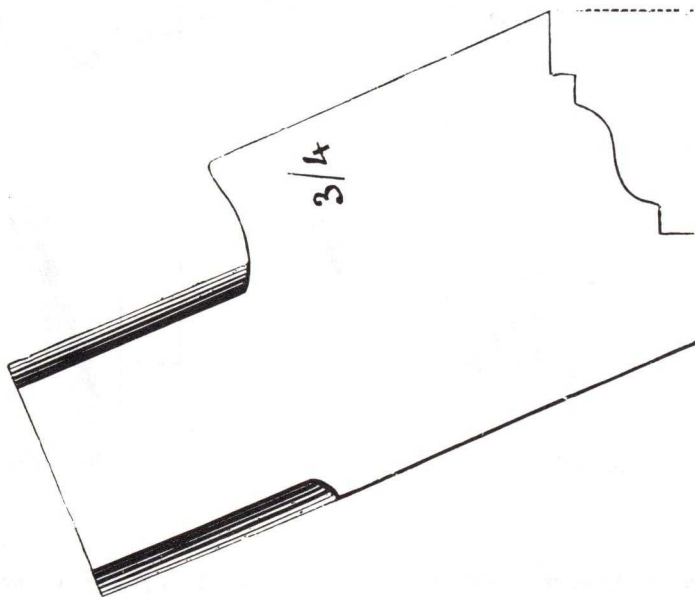
No. 204.

No.		Price, Each.
204,	Plain Ogee, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 inch,	\$0.65
"	" $\frac{1}{4}$, $1\frac{1}{2}$ "	.85
"	" $1\frac{3}{4}$, 2 "	1.00
205,	" with Bead, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 "	.75
"	" " " " $\frac{1}{4}$, $1\frac{1}{2}$ "	1.00
"	" " " " $1\frac{3}{4}$, 2 "	1.25

REVERSE OGEES.



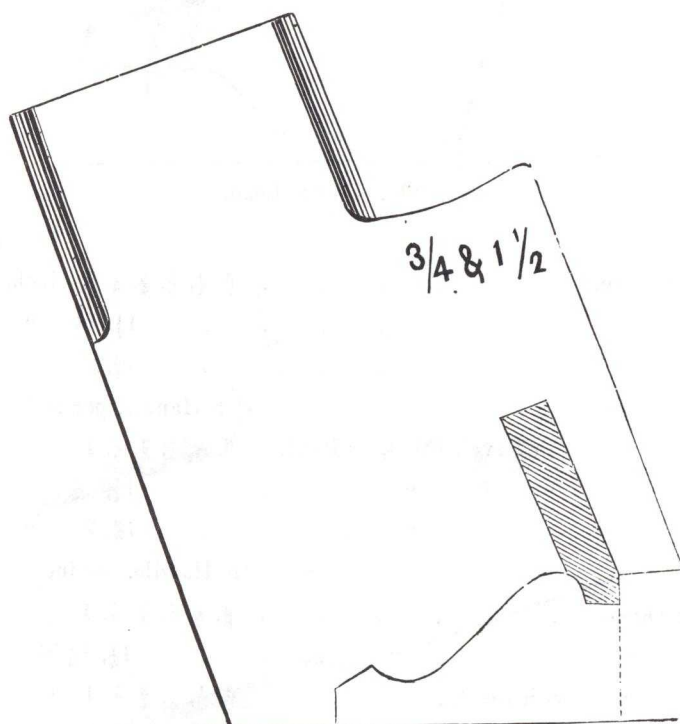
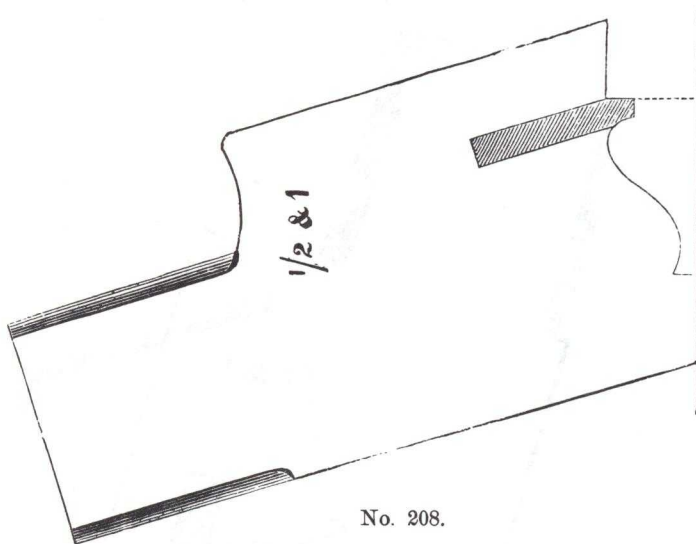
No. 206.



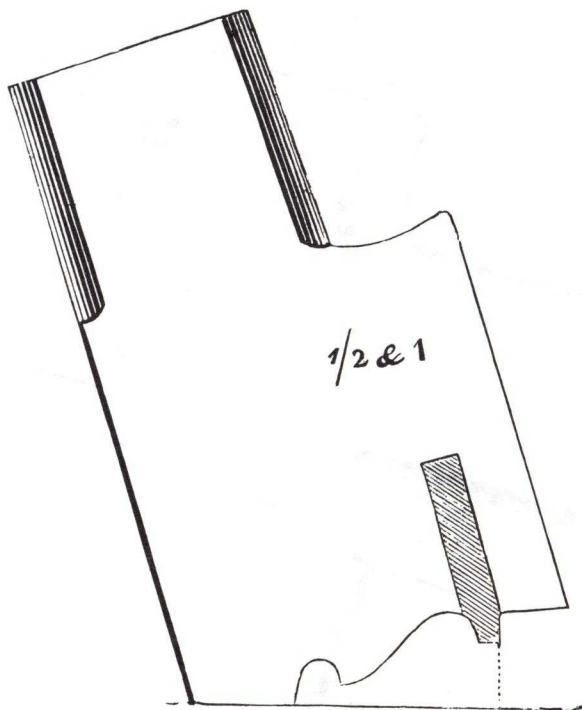
No. 207.

No.											Price, Each.	
206,	Reverse and Back Ogee,	.	.	.	.	$\frac{3}{8}$,	$\frac{1}{2}$,	$\frac{5}{8}$,	$\frac{3}{4}$,	$\frac{7}{8}$,	1 inch,	\$0.75
	"	"	"	.	.	.	.	.	$\frac{1}{4}$,	$1\frac{1}{2}$	"	.95
	"	"	"	"	.	.	.	.	$1\frac{3}{4}$,	2	"	1.15
207,	"	"	"	with Bead or Square,	$\frac{3}{8}$,	$\frac{1}{2}$,	$\frac{5}{8}$,	$\frac{3}{4}$,	$\frac{7}{8}$,	1	"	.85
	"	"	"	"	"	"	"	"	$\frac{1}{4}$,	$1\frac{1}{2}$	"	1.10
	"	"	"	"	"	"	"	"	$1\frac{3}{4}$,	2	"	1.30

GRECIAN OGEES.



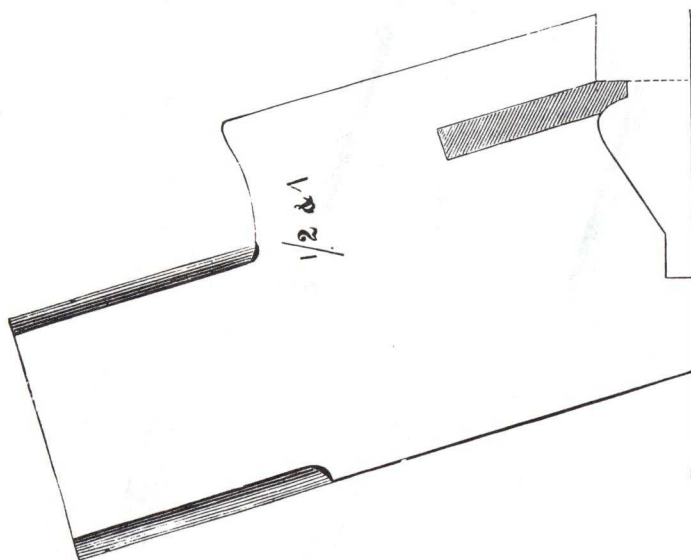
GRECIAN OGEES.



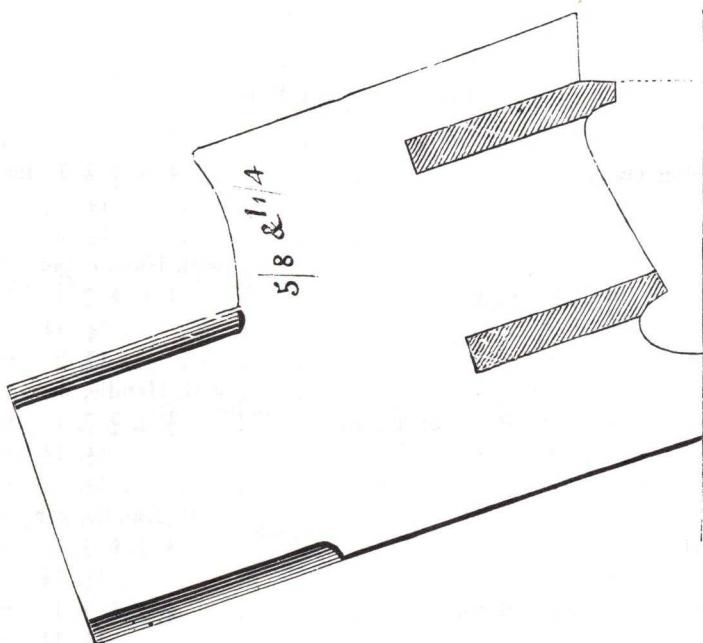
No. 209. With Bead.

No.								Price, Each.
208,	Grecian Ogee,	.	.	.	.	.	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 inch,	\$0.75
"	"	.	.	.	.	.	$1\frac{1}{4}$, $1\frac{1}{2}$ "	.90
"	"	.	.	.	.	.	$1\frac{3}{4}$, 2 "	1.10
"	"	.	.	.	.	.	with Handle, per inch,	.90
209,	"	with Bevel, Fillet, or Bead,					$\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 "	.90
"	"	"	"	"	"	.	$1\frac{1}{4}$, $1\frac{1}{2}$ "	1.05
"	"	"	"	"	"	.	$1\frac{3}{4}$, 2 "	1.25
"	"	"	"	"	"	"	with Handle, per inch,	1.00
210,	Quirk Ogees,	.	.	.	.	.	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 "	.70
"	"	.	.	.	.	.	$1\frac{1}{4}$, $1\frac{1}{2}$ "	.85
211,	"	with Bead,	.	.	.	.	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 "	.85
"	"	"	"	.	.	.	$1\frac{1}{4}$, $1\frac{1}{2}$ "	1.00

GRECIAN OVOLOS.

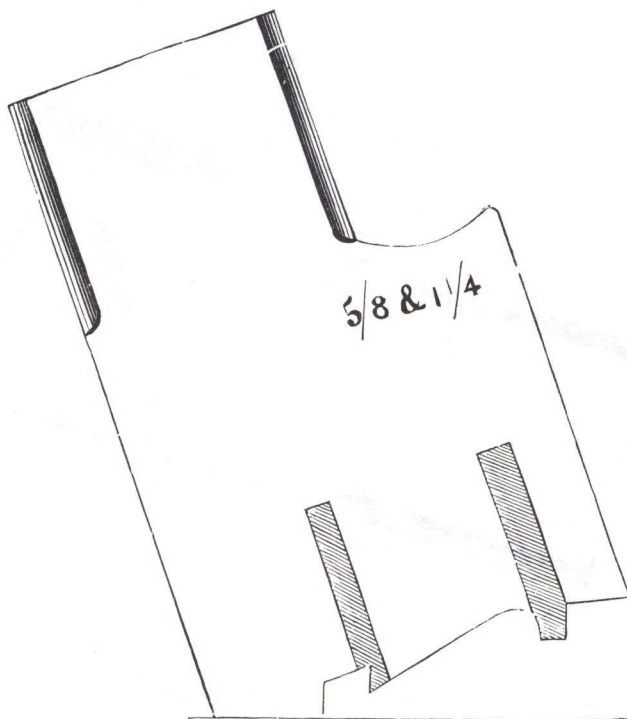


No. 213.



No. 214. With Bead.

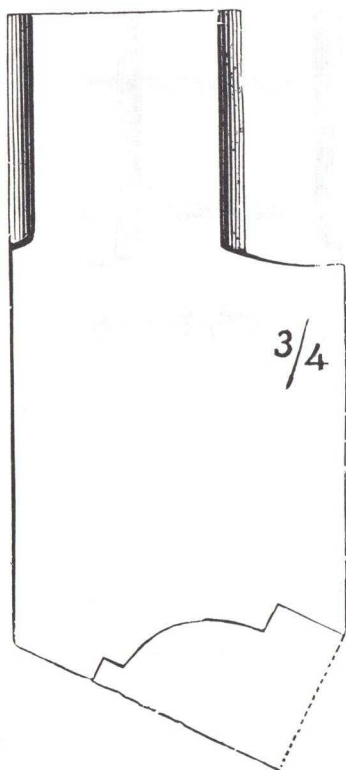
GRECIAN OVOLOS.



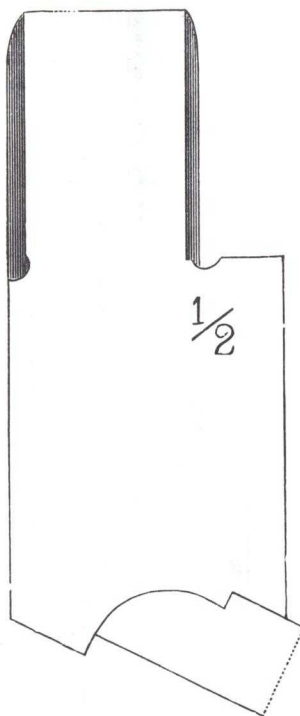
No. 214. With Fillet.

No.								Price, Each.
212,	Grecian Ovolo,	.	.	.	.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1	inch, \$0.75
"	"	.	.	.	.	.	$\frac{1}{4}$, $1\frac{1}{2}$	" .90
"	"	.	.	.	.	.	$\frac{1}{4}$, 2	" 1.10
"	"	.	.	.	.	.	with Handle, per	" .75
213,	" with Square,	.	.	.	.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1	" 1.00
"	" " "	.	.	.	.	.	$\frac{1}{4}$, $1\frac{1}{2}$	" 1.10
"	" " "	.	.	.	.	.	$\frac{1}{4}$, 2	" 1.25
"	" " "	.	.	.	.	.	with Handle, per	" .90
214,	" " Bead, or Fillet,	.	.	.	.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1	" 1.00
"	" " " "	.	.	.	.	.	$\frac{1}{4}$, $1\frac{1}{2}$	" 1.10
"	" " " "	.	.	.	.	.	$\frac{1}{4}$, 2	" 1.25
"	" " " "	.	.	.	.	.	with Handle, per	" 1.25
215,	Quirk	"	.	.	.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1	" .70
"	"	"	.	.	.	.	$\frac{1}{4}$, $1\frac{1}{2}$	" .80
216,	" with Bead,	.	.	.	.	.	$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1	" .85
"	" " " "	.	.	.	.	.	$\frac{1}{4}$, $1\frac{1}{2}$	" 1.00

QUARTER ROUNDS OR OVOLOS.

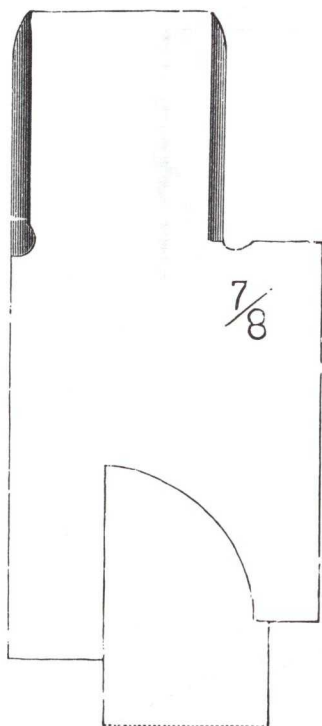
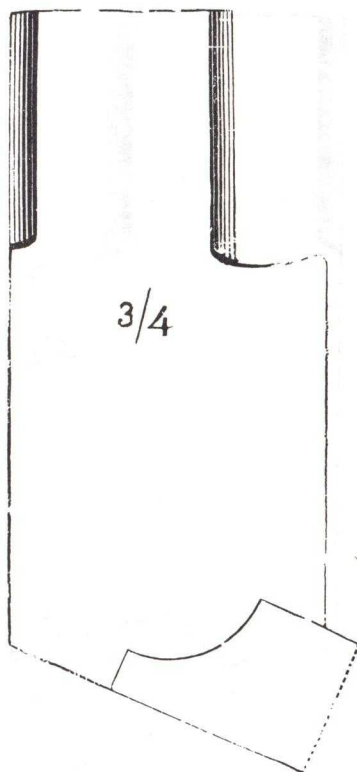


No. 217.

No. 217 $\frac{1}{2}$.

No.		Price, Each.	
217,	Quarter Round or Ovolo, two Squares,	$\frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}$ inch,	\$0.50
"	" " " " " " " "	$\frac{7}{8}, 1$	".65
"	" " " " " " " "	$1\frac{1}{4}, 1\frac{1}{2}$	".75
218,	" " with Bead and one Square,	$\frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}$	".65
"	" " " " " " " "	$\frac{7}{8}, 1$	".80
"	" " " " " " " "	$1\frac{1}{4}, 1\frac{1}{2}$	".90
217 $\frac{1}{2}$,	" " or Casing Moulding, one Square,	$\frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}$	".75
"	" " " " " " " "	$\frac{7}{8}, 1$	".85
"	" " " " " " " "	$1\frac{1}{4}, 1\frac{1}{2}$	".95

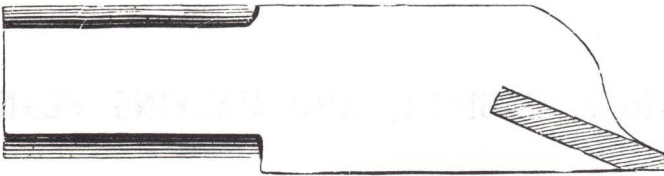
QUARTER ROUNDS AND SCOTIAS.

No. 217 $\frac{3}{4}$.

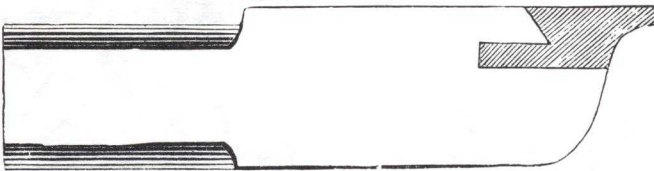
No. 219.

No.							Price, Each.
217 $\frac{3}{4}$,	Quarter Round or Casing Moulding,	with Fence,	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ inch,				\$0.80
"	"	"	"	"	"	$\frac{7}{8}$, 1	.90
"	"	"	"	"	"	$1\frac{1}{4}$, $1\frac{1}{2}$	1.00
"	"	"	"	with Handle, extra,			.50
219,	Scotia or Cove,	.	.	.	.	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ inch,	.50
"	"	.	.	.	.	$\frac{7}{8}$, 1	.65
"	"	.	.	.	.	$1\frac{1}{4}$, $1\frac{1}{2}$	.75
220,	"	with Bead,	.	.	.	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$	.65
"	"	"	"	.	.	$\frac{7}{8}$, 1	.80
"	"	"	"	.	.	$1\frac{1}{4}$, $1\frac{1}{2}$	.90

SNIPE BILLS AND BASE MOULDINGS.

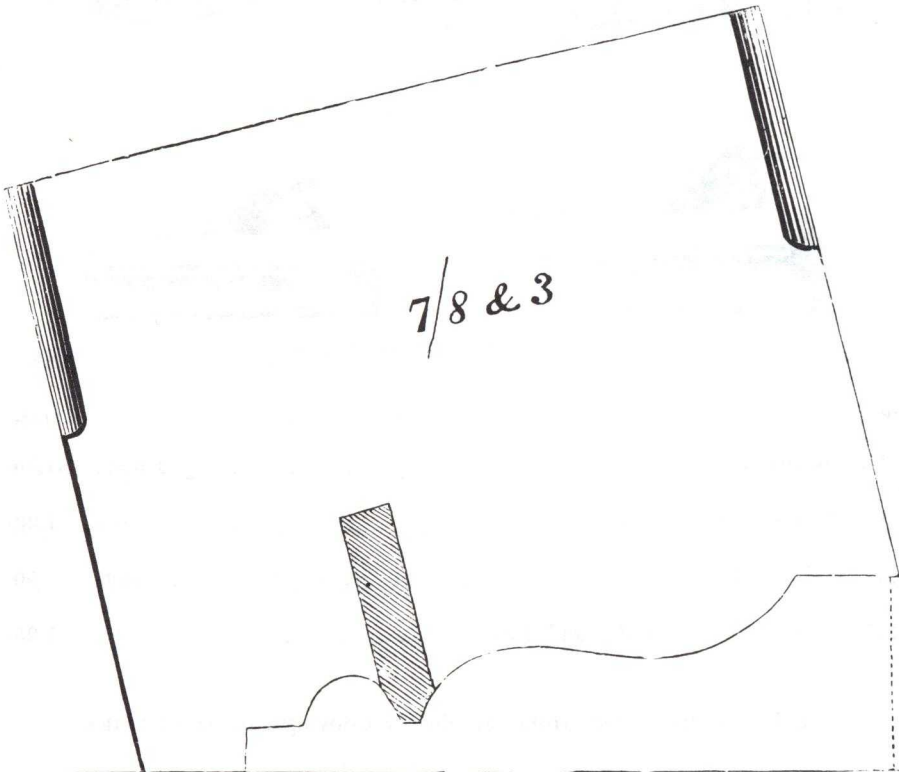


No. 221. Single Boxed.



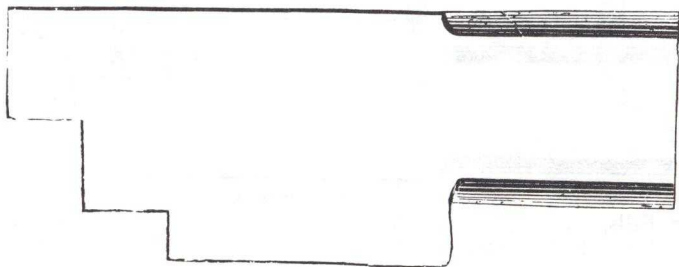
No. 221½. Full Boxed.

No.		No. 221½. Full Boxed.	Price.
221,	Snipe Bills,	.	per pair, \$1.25
221½,	" " Full Boxed,	.	" " 1.75

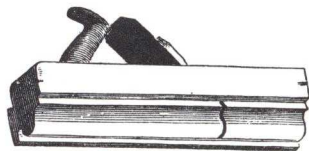
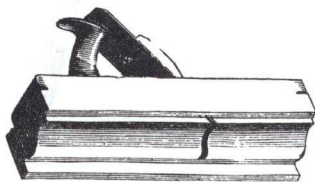


No.	No. 222. Base Moulding.	Price.
222,	Base and Band Moulding,	per inch, \$0.70
"	" " with Handle,	" " 1.00
223,	Bed Moulding, with Handle,	" " 1.00

CORNICE, CABINET, AND HALVING PLANES.



No. 226.

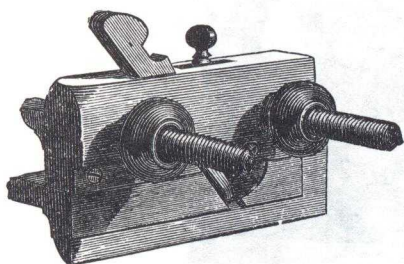


No. 224. Pair Cornice Planes.

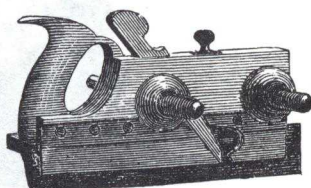
No.	Price.
224, Cornice Plane, per inch,	\$1.00
225, Cabinet Ogee Planes, " "	1.00
226, Halving Plane, each,	.50
227, " " Handle and Plated, "	1.25

Moulding Planes made from samples or drawings, on short notice.

GROOVING PLOWS.



No. 232.

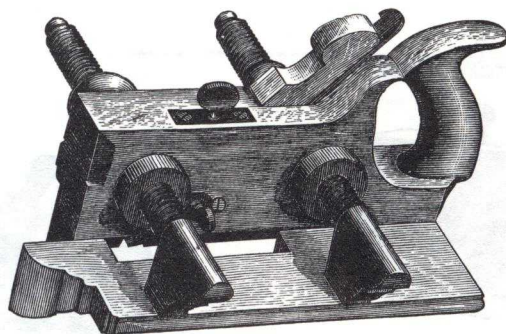


No. 234.

Applewood Screw Arms, Single Plate.

No.		Price, Each.
230,	Plow, Wood Stop,	4 Irons, \$3.00
231,	" " " Boxed or Plated Fence,	4 " 3.25
232,	" Screw "	8 " 4.50
233,	" " " Boxed or Plated Fence,	8 " 4.85
234,	" " " Solid Handle,	8 " 5.50
235,	" " " " " Boxed or Plated Fence,	8 " 5.80

GROOVING PLOWS.

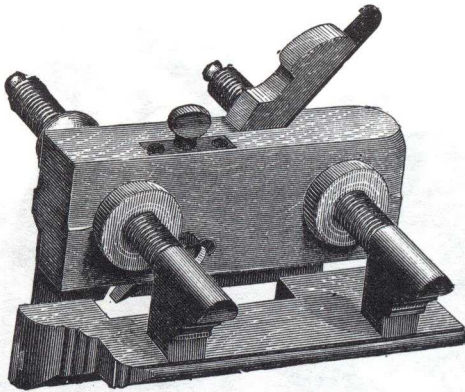


No. 238.

**Solid Handle, Boxwood, Screw Arms and Screw Stop,
with Side Stop.**

No.								Price, Each.
236,	Handled	Plow,	Beech,	Single	Plate,	.	.	8 Irons, \$6.00
237,	"	"	"	Boxed	Fence, Single	Plate,	.	8 " 6.50
238,	"	"	"	"	"	Best	"	8 " 7.00
239,	"	"	"	"	"	"	"	8 " 7.50
239½,	"	"		Applewood,	Boxed	Fence, Best	Plate,	8 " 8.00
240,	"	"		Solid	Boxwood,	Best	Plate, Polished,	8 " 10.00
240½,	"	"	"	Rosewood,	Boxed	Fence, Best	Plate,	
				Polished,	.	.	.	8 " 10.00

GROOVING PLOWS.

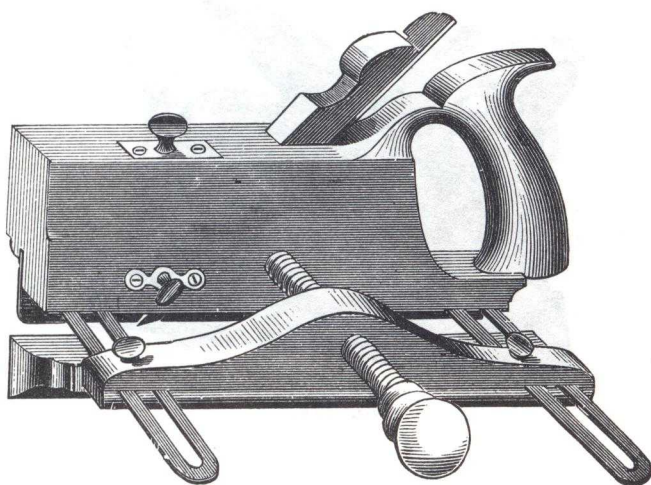


No. 244.

Boxwood Screw Arms and Screw Stop, with Side Stop.

No.	Price, Each.
242, Plow, Single Plate,	8 Irons, \$5.00
243, " Boxed Fence, Single Plate,	8 " 5.25
244, " " " Best "	8 " 5.60
244½, " Applewood, " " Polished,	8 " 6.50
245, " Solid Boxwood, " " "	8 " 8.00
245½, " " Rosewood, Boxed Fence, Best Plate, Polished.	8 " 8.00
Plows with Skate Iron Pattern Plates,	extra, 1 00
" " Steel Facing on Fence,	" .50
Boxwood Plow Arms, complete,	net, per pair, 1.75

PATENT ADJUSTING PLOW.



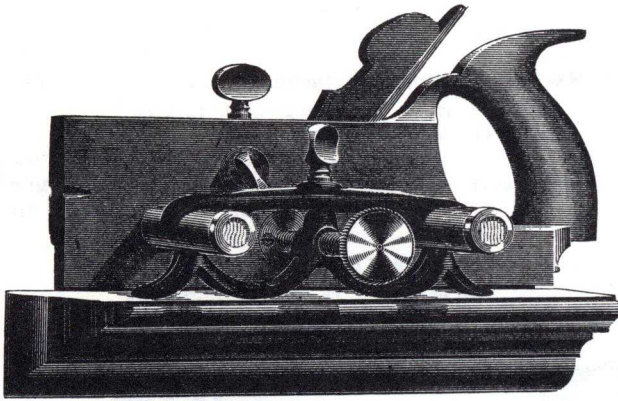
Solid Handle, Screw Stop, with Side Stop.

The adjusting of the Fence to this Plow will be found a great improvement over the old style of Plow. It is simple in its construction, easily and accurately adjusted; as all projections are on the left-hand side, the mechanic is not obliged to remove his tools from the work-bench in order to use it.

This attachment is applicable to all Screw-Arm Tools.

No.		Price, Each.
236 $\frac{1}{2}$,	Handled, Beech, Single Plate,	8 Irons, \$6.00
238 $\frac{1}{2}$,	" " Boxed Fence, Best Plate,	8 " 7.00
239 $\frac{3}{4}$,	" Applewood, Boxed Fence, Best Plate, Polished,	8 " 8.00

IMPROVED PATENT V SLIDE ARM PLOW.

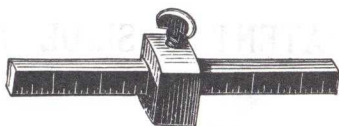


With Adjusting Screw.

No.		Price, Each.
236 $\frac{1}{4}$	Handle Plow, Single Plate, with Adjusting Screw,	8 Irons, \$6.00
238 $\frac{1}{4}$	“ “ Boxed Fence, Best Plate, with Adjusting	
	Screw,	8 “ 7.00
239 $\frac{1}{4}$	Handle Plow, Applewood, Boxed Fence, Best Plate, Pol-	
	ished, with Adjusting Screw,	8 “ 8.00

MARKING GAUGES.

ONE DOZEN IN A BOX.

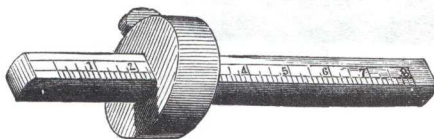


No. 247.

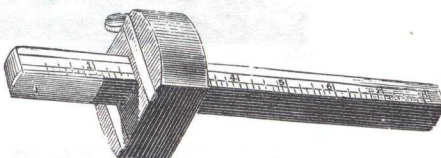
No.		Per Dozen.
246,	Common Marking Gauge, with inches,	\$0.90
247,	" " " Oval Bar, with inches,	1.00

PREMIUM GAUGES.

ONE DOZEN IN A BOX.



No. 248.



No. 250 $\frac{1}{2}$.

No.		Per Dozen.
248,	Marking Gauge, Oval Head and Bar, Steel Points, with inches,	\$1.25
271,	" " Polished, Oval Bar, " " " "	2.00
272,	" " " Plated Head, Oval Bar, Steel Points, with inches,	2.75
249,	Marking Gauge, Applewood, Oval Head and Bar, Steel Points, with inches,	2.00
250,	Marking Gauge, Mahogany or Applewood, Plated Oval Head and Bar, Steel Points, with inches,	4.00
250 $\frac{1}{2}$,	Marking Gauge, Mahogany or Applewood, Plated Head and Bar, Brass Thumb Screw, Oval Bar, Steel Points, with inches,	5.50
251,	Marking Gauge, Box or Rosewood, Oval Head and Bar, Brass Thumb Screw, Steel Points, with inches,	3.50
252,	Marking Gauge, Box or Rosewood, Plated Oval Head and Bar, Brass Thumb Screw, Steel Points, with inches,	6.00

CUTTING GAUGES.

ONE DOZEN IN A BOX.

No.		Per Dozen.
253.	Cutting Gauge, Oval Bar, Steel Cutters, with inches,	\$2.50
254.	" " Applewood, Oval Bar, Steel Cutters, with inches,	3.25

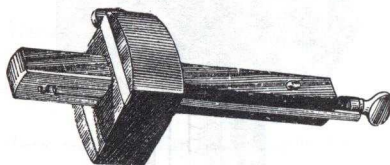
PANEL GAUGES.

ONE-HALF DOZEN IN A BOX.

No.		Per Dozen.
255,	Panel Gauge, Oval Bar, Brass Thumb Screw, Steel Points, with inches,	\$4.75
256,	Panel Gauge, Applewood, Oval Bar, Brass Thumb Screw, Steel Points, with inches,	6.00
257,	Panel Gauge, Mahogany, Plated Head and Bar, Oval Bar, Brass Thumb Screw, Steel Points, with inches,	12.00
258,	Panel Gauge, Rosewood, Plated Head and Bar, Oval Bar, Brass Thumb Screw, Steel Points, with inches,	18.00

MORTISE GAUGES.

ONE-HALF DOZEN IN A BOX.

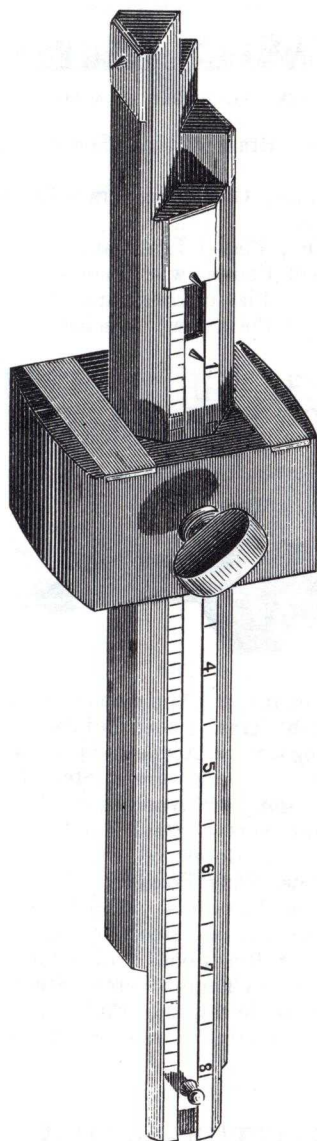


No.	No. 262.	Per Dozen.
259,	Mortise Gauge, Mahogany or Applewood, Plated Head, Thumb Slide, Brass Thumb Screw, Steel Points,	\$6.50
259½,	Mortise Gauge, Mahogany or Applewood, Plated Head and Bar, Thumb Slide, Brass Thumb Screw, Steel Points,	8.00
260,	Mortise Gauge, Mahogany or Applewood, Plated Head, Screw Slide, Brass Thumb Screw, Steel Points,	9.00
261,	Mortise Gauge, Box or Rosewood, Plated Head, Screw Slide, Brass Thumb Screw, Steel Points,	11.00
262,	Mortise Gauge, Box or Rosewood, Plated Head and Bar, Screw Slide, Brass Thumb Screw, Steel Points,	14.00
263,	Mortise Gauge, Box or Rosewood, Full Plated Head and Plated Bar, Screw Slide, Brass Thumb Screw, Steel Points,	18.00
264,	Mortise Gauge, Box or Rosewood, Full Plated Head and Bar, Screw Slide, Brass Thumb Screw, Steel Points,	20.00

SLITTING GAUGES.

No.		Per Dozen.
265,	Slitting Gauge, with Handle,	\$9.00
266,	" " " " and Rollers,	10.00

C. SCHOLL'S PATENT COMBINATION GAUGE.



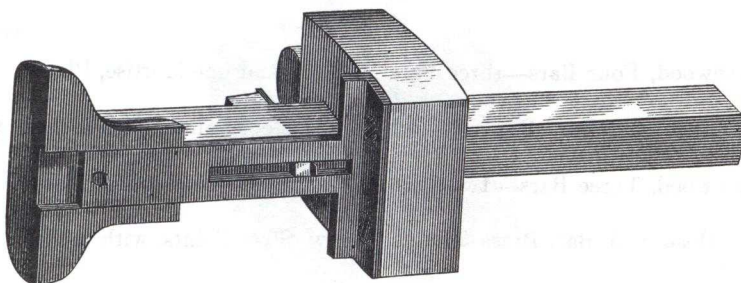
C. SCHOLL'S PATENT GAUGE.

ONE-HALF DOZEN IN A BOX.

No.	Per Dozen.
267, Rosewood, Four Bars—three Bars Marking and one Mortise, Plated	
Head and Bar, Brass Thumb Screw, Steel Points, with inches,	\$24.00
268, Rosewood, Three Bars—two Bars Marking and one Mortise, Plated	
Head and Bar, Brass Thumb Screw, Steel Points, with inches,	22.00
269, Mahogany, Four Bars—three Bars Marking and one Mortise, Plated	
Head and Bar, Wood Thumb Screw, Steel Points, with inches,	21.00
270, Mahogany, Three Bars—two Bars Marking and one Mortise, Plated	
Head and Bar, Wood Thumb Screw, Steel Points, with inches,	19.00

MARDEN'S PATENT GAUGE.

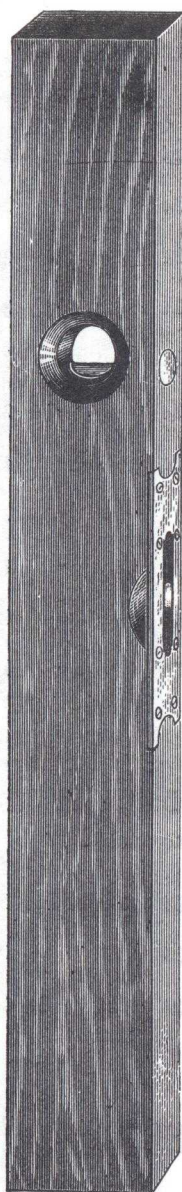
For Door Hangers Use.



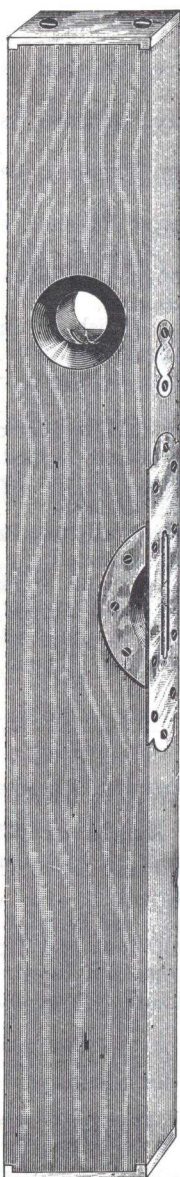
This Gauge is so constructed that at one adjustment it will mark the distance for the Butt on the Jamb and on the Door. The two Spurs will correspond in distance from each head; allowance is made in the make of the Gauge for Paint. Adapted for any thickness of Doors, and to be used from the side of Door that shuts against the Jamb.

Price, per dozen, \$24.00

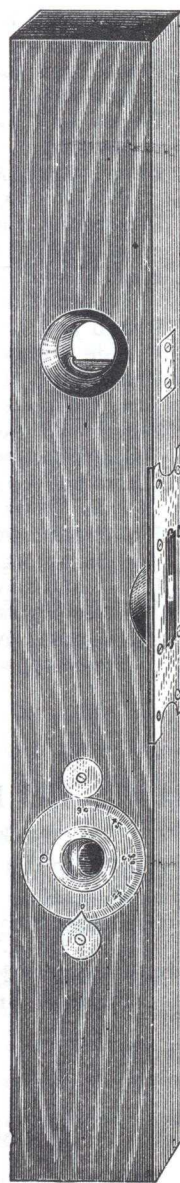
LEVELS.



No. 290.



No. 293.



No. 304.

No.						Per Dozen.
286,	Level, Cherry, Side Views, assorted,	.	.	.	10 to 16 inch,	\$9.00
287,	" " " " "	.	.	.	18 " 24 "	12.00

PLUMBS AND LEVELS.

No.		Per Dozen.
289,	Plumb and Level, Cherry, Polished, Side Views, assorted, 12 to 18 inch,	\$14.00
289½,	Plumb and Level, Cherry, Polished, Side Views, assorted, 18 " 24 "	16.00
290,	Plumb and Level, Cherry, Polished, Side Views, assorted, 24 " 30 "	18.00
290½,	Plumb and Level, Cherry, Polished, Brass-Lipped Side Views, Assorted, 24 " 30 "	24.00
291,	Plumb and Level, Mahogany, Polished, Side Views, assorted, 24 " 30 "	22.50
292,	Plumb and Level, Mahogany, Polished, Brass-Lipped Side Views, assorted, 24 " 30 "	30.00
293,	Plumb and Level, Cherry, Polished, Brass-Lipped Side Views and Tipped, assorted, 24 " 30 "	35.00
293½,	Plumb and Level, Cherry, Polished, Side Views and Tipped, assorted, 24 " 30 "	28.00
294,	Plumb and Level, Cherry, Triple Stock, Polished, Brass-Lipped Side Views and Tipped, assorted, 24 " 30 "	45.00
296,	Plumb and Level, Mahogany, Polished, Brass-Lipped Side Views and Tipped, assorted, 12 " 18 "	27.00
297,	Plumb and Level, Mahogany, Polished, Brass-Lipped Side Views and Tipped, assorted, 24 " 30 "	48.00
298,	Plumb and Level, Mahogany, Triple Stock, Polished, Brass-Lipped Side Views and Tipped, assorted, 24 " 30 "	58.00
300,	Plumb and Level, Rosewood, Triple Stock, Polished, Brass-Lipped Side Views and Tipped, 28 "	102.00

PLUMBS AND LEVELS, WITH GRADUATING ADJUSTMENTS.

To work at any Angle or Elevation required.

No.		Per Dozen.
304,	Graduated Adjusted Plumb and Level, Cherry, Polished, Side Views, assorted, 24 to 30 inch,	\$30.00
306,	Graduated Adjusting Plumb and Level, Cherry, Polished Brass-Lipped Side Views and Tipped, 24 " 30 "	57.00
308,	Graduated Adjusting Plumb and Level, Mahogany, Polished, Brass-Lipped Side Views and Tipped, 24 " 30 "	66.00

MASONS' PLUMBS AND LEVELS.

No.		Per Dozen.
310,	Masons' Plumb and Level, Cherry, Polished, Side Views, 36 inch,	\$21.00
310¼,	Masons' Plumb and Level, Two Plumbs, Cherry, Polished, Side Views, 36 "	25.00
310½,	Masons' Plumb and Level, Two Plumbs, Mahogany, Polished, Side Views, 36 "	40.00

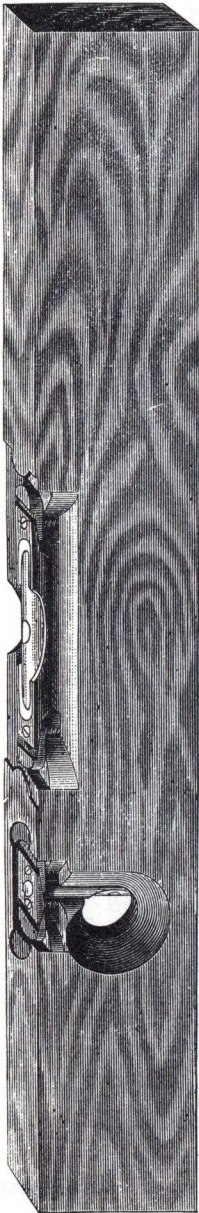
PATENT ADJUSTABLE PLUMBS AND LEVELS.

The Drawing represents an Adjustable Plumb and Level with the plates removed. The metallic case or glass holder is constructed at its two ends with an ear or lug, inclined upon the under side. Beneath these two ears the adjustable seats are arranged. These are inclined upon their upper surfaces corresponding to the incline of the ears, and are slotted so that the screw which is introduced through the ear, and into the wood through the slots, the seats resting solidly upon the wood.

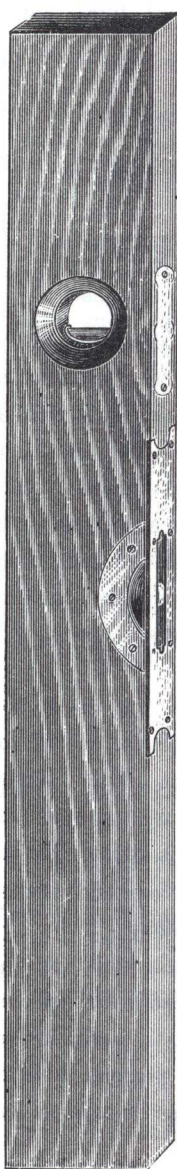
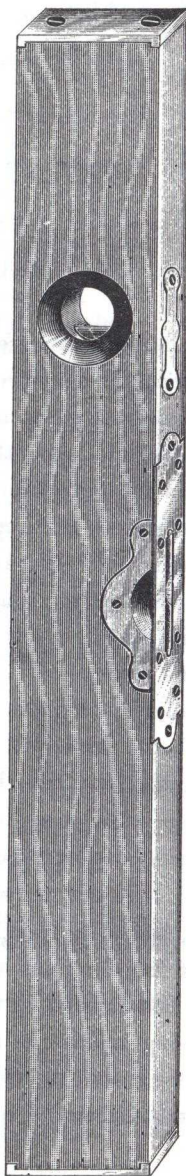
To adjust the glass, either of the seats is forced beneath its respective ear, or drawn therefrom until the bubble indicates the perfect level. The screws are then set, thus securing the case and seats in place. The transverse or plumb glass is adjusted in the same manner, save that the ears are at one end of the glass-holder, and at right angles thereto.

This improvement in adjusting the spirit glass is highly commended by the mechanic for its simplicity, and being reliable in all its parts, beneath the plates, and not exposed to meddlesome persons, no springs to become inefficient by constant use or careless handling.

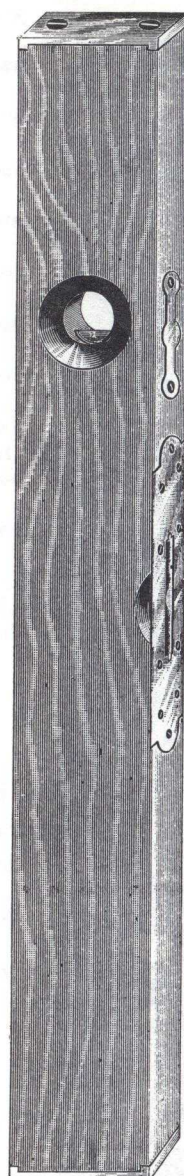
SECTIONAL VIEW.



PATENT ADJUSTABLE MASONS' PLUMBS AND LEVELS.

No. 490 $\frac{1}{2}$.

No. 493.

No. 493 $\frac{1}{2}$.

No.		Per Dozen.
410 $\frac{1}{4}$	Masons' Patent Adjustable Plumb and Level, Cherry, Two Plumbs, Side Views, Polished,	36 inch, \$30.00
490 $\frac{3}{4}$	Masons' Patent Adjustable Plumb and Level, Cherry, Brass-Lipped, Side Views, Polished,	42 " 33.00
35,	Masons' Patent Adjustable Plumb and Level, for Plumb Line, 42	" 36.00

PATENT ADJUSTABLE PLUMBS AND LEVELS.

No.		Per Dozen.
490 $\frac{1}{2}$,	Patent Adjustable Plumb and Level, Brass-Lipped, Side Views, Polished, assorted, 24 to 30 inch,	\$27.00
493,	Patent Adjustable Plumb and Level, Brass-Lipped, Side Views, and Tipped, Polished, assorted, 24 " 30 "	39.00
493 $\frac{1}{2}$,	Patent Adjustable Plumb and Level, Side Views, and Tipped, Polished, assorted, 24 " 30 "	30.00
494,	Patent Adjustable Plumb and Level, Triple Stock, Brass Lipped, Side Views, and Tipped, Polished, assorted, 24 " 30 "	48.00
491,	Patent Adjustable Mahogany Plumb and Level, Side Views, Polished, assorted, 24 " 30 "	27.00
492,	Patent Adjustable Mahogany Plumb and Level, Brass-Lipped, Side Views, Polished, assorted, 24 " 30 "	33.00
497,	Patent Adjustable Mahogany Plumb and Level, Brass-Lipped, Side Views, and Tipped, Polished, assorted, 24 " 30 "	48.00
498,	Patent Adjustable Mahogany Plumb and Level, Triple Stock, Brass-Lipped, Side Views, and Tipped, Polished, assorted, 24 " 30 "	60.00

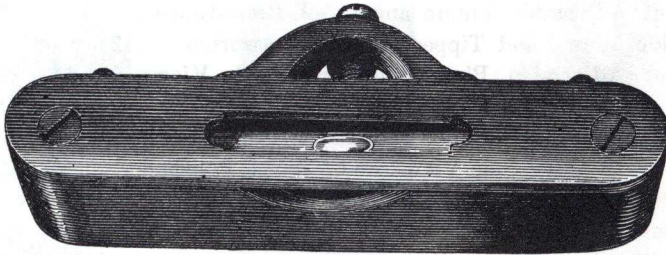
PATENT ADJUSTABLE PLUMBS AND LEVELS.

WITH GRADUATING ADJUSTMENTS.

To work at any Angle or Elevation required.

No.		Per Dozen.
504,	Patent Adjustable Plumb and Level, with Gradu- ating Adjustment, Brass-Lipped, Side Views, Polished, assorted, 24 to 30 inch,	\$36.00
506,	Patent Adjustable Plumb and Level, with Gradu- ating Adjustment, Brass-Lipped, Side Views, and Tipped, Polished, assorted, 24 " 30 "	58.00
508,	Patent Adjustable Mahogany Plumb and Level, with Graduating Adjustment, Brass-Lipped, Side Views, and Tipped, Polished, assorted, 24 " 30 "	66.00

POCKET LEVELS.



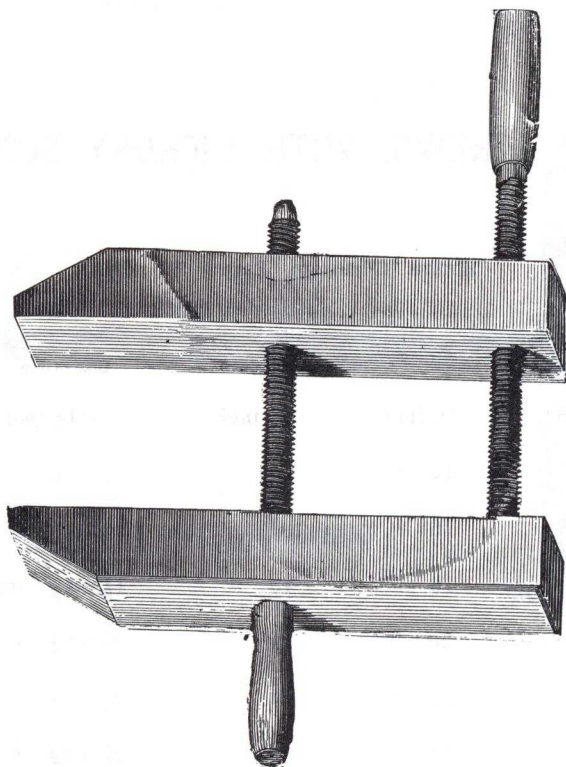
No. 311.

No.		Per Dozen,
311,	Iron Pocket Level,	\$2.50
312,	" " " with Brass Top,	3.00

LEVEL GLASSES.

		Per Gross.
Level Glasses,	$1\frac{3}{4}$ inch,	\$9.50
" "	2 "	10.00
" "	$2\frac{1}{2}$ "	10.50
" "	3 "	11.50
" "	$3\frac{1}{2}$ "	13.50
" "	4 "	15.50
" "	$4\frac{1}{2}$ "	17.50
" " assorted,	$1\frac{3}{4}$, 2, 3, and $3\frac{1}{2}$ "	12.00

HAND SCREWS, WITH HICKORY SCREWS.



No.	Diameter of Screw.	Length of Screw.	Length of Jaw.	Size of Jaw.	Per Dozen.
313,	$\frac{1}{2}$ inch,	10 inch,	6 inch,	$1 \times 1\frac{1}{4}$ inch,	\$2.25
314,	$\frac{5}{8}$ "	12 "	8 "	$1\frac{3}{8} \times 1\frac{3}{8}$ "	2.75
315,	$\frac{3}{4}$ "	16 "	10 "	$1\frac{5}{8} \times 1\frac{5}{8}$ "	3.50
316,	$\frac{7}{8}$ "	18 "	13 "	$1\frac{7}{8} \times 1\frac{7}{8}$ "	5.00
317,	1 "	20 "	14 "	$2\frac{1}{8} \times 2\frac{1}{8}$ "	6.00
318,	1 "	20 "	16 "	$2\frac{1}{4} \times 2\frac{1}{4}$ "	6.50
319,	$1\frac{1}{4}$ "	24 "	18 "	$2\frac{5}{8} \times 2\frac{5}{8}$ "	8.50
320,	$1\frac{1}{4}$ "	24 "	20 "	$2\frac{3}{4} \times 2\frac{3}{4}$ "	10.50
321,	$1\frac{1}{4}$ "	30 "	22 "	3×3 "	14.00
322,	Jewelers' Thumb Screws, $\frac{3}{8}$ inch,				2.00
	Toy Hand Screws, $\frac{3}{8}$ inch,				1.50

Hand Screws, packed one dozen in a case, no charge for case. Orders for assorted sizes, less than a full case packed together, cases charged.

HAND SCREWS, WITH HICKORY SCREWS.

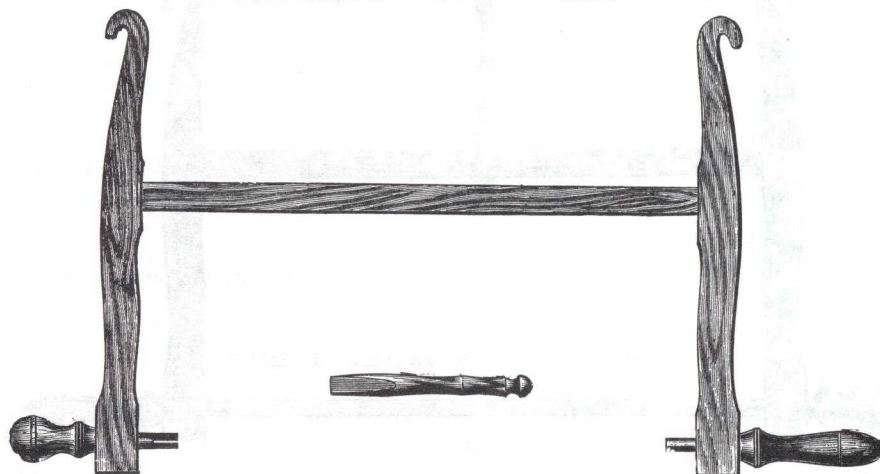
Extra Quality, Jaws Beaded.

No.	Diameter of Screw.	Length of Screw.	Length of Jaw.	Size of Jaw.	Per Dozen.
323,	$\frac{1}{2}$ inch,	10 inch,	6 inch,	$1 \times 1\frac{1}{4}$ inch,	\$2.50
324,	$\frac{5}{8}$ "	12 "	8 "	$1\frac{3}{8} \times 1\frac{3}{8}$ "	3.00
325,	$\frac{3}{4}$ "	16 "	10 "	$1\frac{5}{8} \times 1\frac{5}{8}$ "	4.00
326,	$\frac{7}{8}$ "	18 "	13 "	$1\frac{7}{8} \times 1\frac{7}{8}$ "	5.50
327,	1 "	20 "	14 "	$2\frac{1}{8} \times 2\frac{1}{8}$ "	6.75
328,	1 "	20 "	16 "	$2\frac{1}{4} \times 2\frac{1}{4}$ "	7.25
329,	$1\frac{1}{4}$ "	24 "	18 "	$2\frac{5}{8} \times 2\frac{5}{8}$ "	9.50
330,	$1\frac{1}{2}$ "	24 "	20 "	$2\frac{3}{4} \times 2\frac{3}{4}$ "	11.50
331,	$1\frac{1}{4}$ "	30 "	22 "	3×3 "	15.25

Moulders' Flask Screws and Press Screws made to order.

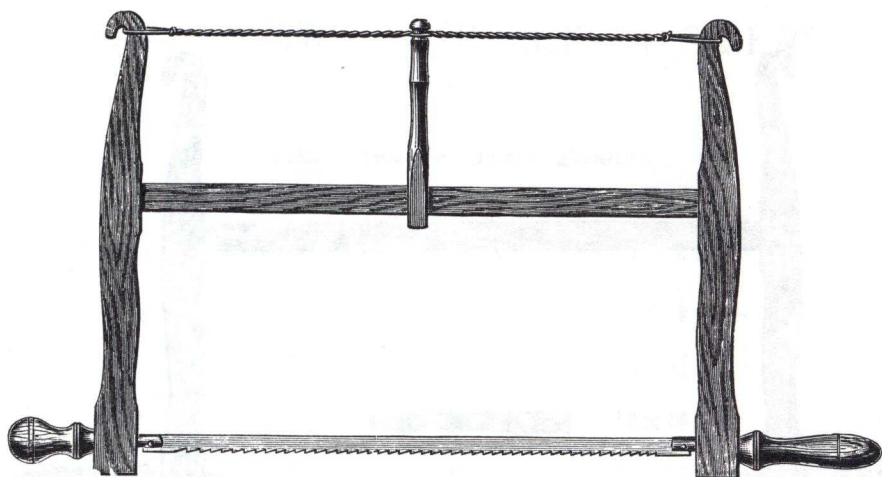
TURNING-SAW FRAMES.

PUT UP IN ONE-HALF DOZEN BOXES.



No.								Per Dozen.
339, Turning-Saw Frame,	.	.	.	.	.	.	.	10 inch, \$7.00
340,	"	"	.	.	.	.	.	12 " 8.00
341,	"	"	.	.	.	.	.	14 " 9.00
342,	"	"	.	.	.	.	.	16 " 9.75
343,	"	"	.	.	.	.	.	18 " 10.75
344,	"	"	.	.	.	.	.	20 " 11.50
345,	"	"	.	.	.	.	.	22 " 12.00
346,	"	"	.	.	.	.	.	24 " 12.50
347,	"	"	.	.	.	.	.	26 " 13.00
348,	"	"	.	.	.	.	.	28 " 13.50
349,	"	"	.	.	.	.	.	30 " 14.00

TURNING-SAW FRAMES AND SAWS.



No.								Per Dozen.
350, Turning-Saw Frame and Saw,	.	.	.	.	.	.	10 inch,	\$10.75
351,	"	"	"	.	.	.	12 "	12.25
352,	"	"	"	.	.	.	14 "	13.75
353,	"	"	"	.	.	.	16 "	15.25
354,	"	"	"	.	.	.	18 "	16.75
355,	"	"	"	.	.	.	20 "	18.00
356,	"	"	"	.	.	.	22 "	18.75
357,	"	"	"	.	.	.	24 "	19.50
358,	"	"	"	.	.	.	26 "	20.50
359,	"	"	"	.	.	.	28 "	21.75
360,	"	"	"	.	.	.	30 "	22.75

CHISEL HANDLES.

ONE DOZEN IN A BOX.

Polished Brass Tubing Ferrules.

No.						Per Gross.
361, Hickory,	.	.	.	.	4 sizes, assorted, 1 to 2 inch,	\$10.00
362, " "	.	.	.	.	6 " $\frac{1}{4}$ " 2 "	9.50
363, " "	.	.	.	.	4 " $\frac{1}{8}$ " $1\frac{1}{2}$ "	8.75
364, Applewood,	.	.	.	.	4 " 1 " 2 "	11.00
365, " "	.	.	.	.	6 " $\frac{1}{4}$ " 2 "	10.50
366, " "	.	.	.	.	4 " $\frac{1}{8}$ " $1\frac{1}{2}$ "	9.75
367, Rosewood, or Turkey Boxwood, extra finish,					$\frac{1}{8}$ " 2 "	24.00

With Seamless Brass Ferrules.

No.						Per Gross.
368, Hickory,	.	.	.	.	4 sizes, assorted, 1 to 2 inch,	\$7.50
369, " "	.	.	.	.	6 " $\frac{1}{4}$ " 2 "	6.75
370, " "	.	.	.	.	4 " $\frac{1}{8}$ " $1\frac{1}{2}$ "	6.00
371, Applewood,	.	.	.	.	4 " 1 " 2 "	8.50
372, " "	.	.	.	.	6 " $\frac{1}{4}$ " 2 "	7.50
373, " "	.	.	.	.	4 " $\frac{1}{8}$ " $1\frac{1}{2}$ "	6.50

Nos. 368 to 373, inclusive, with Polished Seamless Iron Ferrules, extra, \$1.00.

SOCKET CHISEL HANDLES.

Polished.

No.						Per Gross.
374, Socket Firmer, Hickory, assorted,	.	.	.	.	.	\$4.50
375, " " Applewood, " "	.	.	.	.	.	5.50
376, " Framing, Hickory, " "	.	.	.	.	.	5.00
377, " " " Iron Ferrule, assorted,	.	.	.	.	.	8.00

FILE HANDLES.

THREE DOZEN IN A BOX.

Seamless Brass Ferrules.

No.			Per Gross.
378,	Cherry, assorted	4 sizes,	\$5.00
379,	" "	3 large sizes,	5.50
380,	Soft wood, "	4 sizes,	4.00
381,	" " "	3 large sizes,	4.50
382,	Rosewood or Turkey Boxwood, extra finish, Jewelers' use,		18.00
	File Handles with Polished Seamless Iron Ferrules, extra,		1.00

BRAD-AWL HANDLES.

THREE DOZEN IN A BOX.

Seamless Brass Ferrules.

No.			Per Gross.
383,	Cherry, assorted,	4 sizes,	\$4.00
384,	" "	3 large sizes,	4.50
385,	Applewood, "	4 sizes,	5.00
386,	" "	3 large sizes,	5.50
387,	Rosewood or Turkey Boxwood, extra finish,		18.00
	Handles in Bulk, 25 cents a gross less.		

AWL HAFTS.

THREE DOZEN IN A BOX.

No.			Per Gross.
388,	Sewing Awl Hafts, Brass Ferrules,		\$5.00
389,	" " " Applewood, Brass Ferrules,		6.00
390,	Pegging " " Hickory, " " "		4.25

SCRATCH-AWL AND SCREW-DRIVER HANDLES.

THREE DOZEN IN A BOX.

No.			Per Gross.
391,	Scratch-Awl, Cherry,		\$5.50
392,	" Applewood,		6.50
393,	" Rosewood,		12.00
394,	Screw-Driver, Applewood, Flat, Slotted Ferrule,		20.00
395,	" " Round, Slotted Ferrule,		10.00

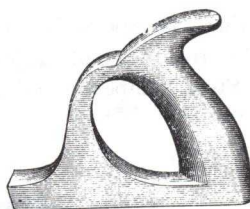
CARVING TOOL HANDLES.

No.			Per Gross.
396,	Beech, 4 sizes, $\frac{1}{2}$ to $\frac{3}{4}$,		\$6.00
397,	Boxwood, 4 " $\frac{1}{2}$ " $\frac{3}{4}$,		20.00
398,	Rosewood, 4 " $\frac{1}{2}$ " $\frac{3}{4}$,		24.00

PLANE AND SAW HANDLES.



No. 1.



No. 3.



No. 5.

No.	Per Dozen.
1, Jack Plane Handle,	\$0.80
2, " " " with Bolts,	2.00
3, Fore or Jointer Plane Handle,	1.25
4, " " " " with Bolts,	2.50
5, Saw Handle,	1.80
6, " " Varnished Edge,	2.00
7, " " " " with Brass or Iron Screw,	6.00

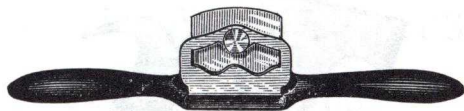
BIRCH DOOR STOPS.

ONE-QUARTER GROSS IN PAPER BOXES.

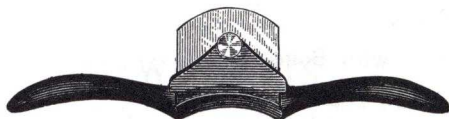
	Per Gross.
2½ inch Birch, Plain,	\$4.50
3 " " "	5.25
2½ " " Rubber Tipped,	7.00
3 " " " "	7.75

CHAPIN'S IMPROVED IRON SPOKE SHAVES.

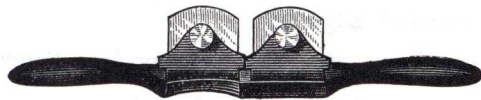
Chapin's Spoke Shaves and Box Scrapers, superior to any for the reason of the readiness of adjustment, and the Cutters made of the best English Cast Steel, tempered and ground, equal to the best Plane Irons.



No.		Per Dozen.
50,	Patent Double Iron, Raised Handle, 10 inch, 2 inch Cutter,	\$4.00
51,	" " " Straight " 10 " 2 "	4.00
52,	" " " Raised " " " " "	4.00
	Rounding Face, 10 inch, 2 inch Cutter,	4.00



54,	Patent Double Iron, Hollow Face, 10 inch, 2 1/8 inch Cutter,	\$5.00
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55,	Patent Double Irons, Double Cutter, Hollow and Straight, 10 inch, 1 1/2 inch Cutters,	\$6.00
	Chamfer Guides for Spoke Shaves, Nos. 50 and 51,	1.50

PATENT BOX AND SHIP SCRAPERS.



60,	Box Scrapers, Malleable Iron, 2 inch, Steel Cutters,	\$6.00
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PLANE IRONS.

MADE FROM SUPERIOR REFINED CAST STEEL.

Single Cast Steel Plane Irons, or Cut Irons, per Dozen.

$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	$2\frac{1}{8}$ inch.
\$1.75	1.75	1.75	$1.87\frac{1}{2}$	2.00	$2.12\frac{1}{2}$
$2\frac{1}{4}$	$2\frac{3}{8}$	$2\frac{1}{2}$	$2\frac{5}{8}$	$2\frac{3}{4}$	3 inch.
$2.37\frac{1}{2}$	$2.62\frac{1}{2}$	$2.87\frac{1}{2}$	$3.12\frac{1}{2}$	3.50	4.50

Assorted from 2 to $2\frac{1}{2}$, . . . per dozen, $\$2.37\frac{1}{2}$.

Double Cast Steel Plane Irons, per dozen.

$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	$2\frac{1}{8}$	$2\frac{1}{4}$	$2\frac{3}{8}$ inch.
\$3.75	3.75	4.00	4.00	$4.12\frac{1}{2}$	4.25	4.50	4.75
$2\frac{1}{2}$	$2\frac{5}{8}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4 inch.
\$5.25	5.50	6.50	7.50	9.00	10.50	12.00	15.00

Assorted from 2 to $2\frac{1}{2}$, . . . per dozen, \$4.50.

Cast Steel Grooving Plow Bitts.

Per Set, $\frac{1}{8}$ to $\frac{5}{8}$ inch, \$1.50

Moulding, Rabbet, Match, and Match Bitts, all sizes in stock.

PLANE STOPS.

	Per Dozen.
Plow Screw Stop,	\$5.00
Dado "	4.00
Filletster "	7.00
Plow Side Stop,	1.80
Dado "	1.80
Filletster "	3.00

PLANE IRONS

MADE FROM BIRMINGHAM IRON

Single Cast Iron, Plane Iron, Cast Iron, Cast Iron

Single Cast Iron, Plane Iron, Cast Iron, Cast Iron

Single Cast Iron, Plane Iron, Cast Iron, Cast Iron

Single Cast Iron, Plane Iron, Cast Iron, Cast Iron

Single Cast Iron, Plane Iron, Cast Iron, Cast Iron

Single Cast Iron, Plane Iron, Cast Iron, Cast Iron

Single Cast Iron, Plane Iron, Cast Iron, Cast Iron

Single Cast Iron, Plane Iron, Cast Iron, Cast Iron

Single Cast Iron, Plane Iron, Cast Iron, Cast Iron

H. Chapin's Son,

RULE LIST NUMBERS,

With corresponding numbers of other Rule Manufacturers,

NOVEMBER, 1871.

CHAPIN.	STANLEY R. & L. CO.	STEARNS by S.R.&L.CO.	THRALL & SON.	STEPHENS & CO.	BIDDLE HARDW'G CO.	HUBBARD HDW. CO.	BELCHER BRO'S & CO.	J. & G. H. WALKER.	
ONE FOOT, FOUR FOLD, NARROW.									Price per Dozen.
1	69	43	38	70	69	69	10	40	.....\$ 3 00
2	65	75	37	71	64	65	11	40½	..... 3 50
3	64	....	37½	72	65	64	12	....	..... 5 00
4	....	....	....	....	65¼	....	13	....	..... 9 00
5	65½	74	38¼	72½	65½	65½	14	....	..... 11 00
6	55	....	....	73	55	55	15	41½	..... 4 00
7	56	....	....	74	56	56	16	....	..... 6 00
8	....	....	....	....	56½	....	17	....	..... 10 00
9	57	....	....	75	57	57	18	41	..... 12 00
TWO FEET, FOUR FOLD, NARROW.									
10	68	41	34	41	68	68	60	20	..... 3 50
11	61	38	33	42	61	61	61	21	..... 4 50
11½	61½	....	....	44	61½	61½	....	24	..... 5 50
12	63	37	....	45	63	63	62	22	..... 7 00
13	63½	....	35	44½	63¼	63½	....	25	..... 8 00
14	84	....	22½	42¼	63½	84	63	....	..... 12 00
15	62	35	23½	42½	62	62	64	....	..... 15 00
16	51	46	26	46	51	51	65	26	..... 6 00
17	53	45	24	48	53	53	66	27	..... 8 00

RULE LIST NUMBERS.

Chapin.	Stanley.	Stearns.	Thrall.	Stephens.	Biddle.	Hubbard.	Belcher.	Walker.	Price per Dozen.
18	52	....	22	....	54 $\frac{1}{2}$	52	67	28	\$13 00
19	54	....	23	49	54	54	68	29	16 00
20	59	....	25	50	58	59	69	30	9 00
21	60	....	....	52	60	60	B 69	....	21 00

TWO FEET, FOUR FOLD, BROAD.

22	67	....	67	53	67	67	70	....	5 00
23	70	....	30	54	70	70	71	31	7 00
24	72	....	29	56	72	72	72	33	9 00
25	....	....	....	....	72 $\frac{1}{4}$	....	73	....	14 00
6	72 $\frac{1}{2}$	....	....	54 $\frac{1}{2}$	72 $\frac{1}{2}$	72 $\frac{1}{2}$	74	....	18 00
27	73	27	21	57	73	73	75	34	9 00
28	75	....	20	59	75	75	76	35	11 00
29	....	....	....	....	76 $\frac{1}{2}$	....	77	37	16 00
30	76	15	18	60	76	76	78	38	20 00
31	77	17	19	61	77	77	79	39	12 00
32	78 $\frac{1}{2}$	....	....	63	78	78 $\frac{1}{2}$	B 79	....	24 00
33	83	....	....	....	78 $\frac{1}{2}$	83	....	....	14 00

FOUR FOLD, BOARD MEASURE.

34	79	....	....	64	79	79	....	....	11 00
35	....	....	....	65	80	....	....	....	20 00
36	81	....	1	66	81	81	....	36	13 00
37	82	14	....	67	82	82	....	....	22 00

TWO FEET, TWO FOLD.

38	29	....	15	1	29	29	80	....	3 50
39	18	11	14	2	18	18	81	5	5 00
40	22	....	....	5	21	22	....	....	7 00
41	1	....	....	....	1	1	86	8	7 00
42	2	7	8	13	2	2	....	....	8 00
43	18	7	10 00
44	4	6 $\frac{1}{2}$	7	15	3	4	10 00
45	5	17	5	5	88	11	16 00

WITH SLIDE.

46	26	6	9	26	26	P91	9 00
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RULE LIST NUMBERS.

Chapin.	Stanley.	Stearns.	Thrall.	Stephens.	Biddle.	Hubbard.	Belcher.	Walker.	Price per Dozen.
47	27	....	....	....	26 $\frac{1}{2}$	27	92	13	\$12 00
48	12	5	....	....	12	12	96	18	14 00
49	15	3	....	....	15	15	98	....	24 00
50	6	2	....	....	16	6	97	19	18 00
51	16	1	....	....	17	16	....	....	28 00
IVORY, ONE FOOT.									
52	90	59	39	89	90	90	100	....	10 00
53	....	....	....	90	91	....	101	....	12 00
54	92 $\frac{1}{2}$	....	....	90 $\frac{1}{2}$	91 $\frac{1}{2}$	92 $\frac{1}{2}$	201	....	14 00
55	92	....	39 $\frac{1}{2}$	91	92 $\frac{1}{2}$	92	212	....	17 00
56	88 $\frac{1}{2}$	....	....	93	88 $\frac{1}{2}$	88 $\frac{1}{2}$	216	....	21 00
57	88	....	....	94	89 $\frac{1}{2}$	88	218	....	32 00
58	....	....	39 $\frac{3}{4}$	92	89 $\frac{3}{4}$	....	214	....	28 00
IVORY, TWO FEET, NARROW.									
59	85	56	....	77	85 $\frac{1}{2}$	85	242	....	54 00
60	86	....	....	83	94 $\frac{1}{2}$	86	266	....	64 00
61	87	....	....	84	95 $\frac{1}{2}$	87	268	50	80 00
62	89	....	....	86	97 $\frac{1}{2}$	89	B 269	....	92 00
BROAD.									
63	....	....	....	....	100	....	276	51	84 00
64	95	....	....	....	101	95	278	53	102 00
65	....	....	....	....	102	....	....	....	112 00
66	....	....	....	....	103	....	....	....	120 00
67	97	....	....	....	104	97	B 279	....	116 00
TWO FOLD.									
68	93	....	....	....	98	93	....	57	4 50
69	....	....	....	....	99 $\frac{1}{2}$	....	....	....	24 00
BOXWOOD CALLIPERS.									
70	36	13 $\frac{1}{2}$	....	95	36	36	P 99	59	7 00
71	....	....	....	96	36 $\frac{1}{2}$	....	99	58	8 00
72	32	....	....	....	32	32	C 25	....	12 00
73	....	....	....	99	32 $\frac{1}{2}$	....	C 28	....	20 00
IVORY CALLIPERS.									
74	38	55	....	95 $\frac{1}{2}$	37	38	P 299	....	15 00

RULE LIST NUMBERS.

Chapin.	Stanley.	Stearns.	Thrall.	Stephens.	Biddle.	Hubbard.	Belcher.	Walker.	Price per Dozen.
74½	....	....	....	....	37¼	....	....	....	\$18 00
75	....	55½	....	96½	37½	....	299	....	18 00
76	39	....	....	98½	39	39	C 221	....	38 00
77	40	....	....	....	39½	40	C 214	....	44 00
78	....	....	....	99½	39¾	....	C 238	....	48 00
79	....	....	....	....	35	....	....	....	60 00

BENCH RULES.

80	34	....	....	....	30	34	912	....	3 00
81	35	....	....	....	30¼	35	....	....	6 00

YARD MEASURES.

82	33	....	....	....	33	33	930	....	1 50
83	41	....	....	....	41	41	932	....	3 00
84	66	....	....	....	66	66	351	61	8 00
97	....	....	....	....	41¼	....	....	....	2 00
98	50	....	....	....	41½	50	....	....	4 50

SHIP CARPENTERS' BEVELS.

85	42	....	....	31	42	42	902	2	6 00
85½	43	....	....	30	42½	43	900	....	6 00

BOARD AND LOG MEASURE.

86	....	....	....	....	44	....	920	....	6 00
87	46½	....	....	....	44½	46	....	....	8 00
88	47	....	....	....	45	47	....	....	12 00
89	48	....	....	....	47	48	923	....	12 00
90	....	....	....	....	47½	....	....	....	9 00
90½	48½	....	....	....	48½	....	....	....	12 00
91	....	....	....	....	49½	....	....	....	9 00
91½	....	....	....	....	50½	....	....	....	12 00
89½	....	....	....	....	50¾	....	....	....	12 00

WANTAGE AND GAUGING RODS.

92	44	....	....	....	48	44	....	....	5 00
93	45	....	....	....	49	45	....	....	7 00
94	....	....	....	....	50	....	....	....	8 00
94½	45½	....	....	....	50¼	45½	....	....	18 00

THREE, SIX FOLD AND DESK RULES.

95	....	....	....	....	105	....	....	....	6 00
96	....	28½	....	....	106	....	S 46	....	13 00
99	99	....	....	....	107	....	....	....	1 50

